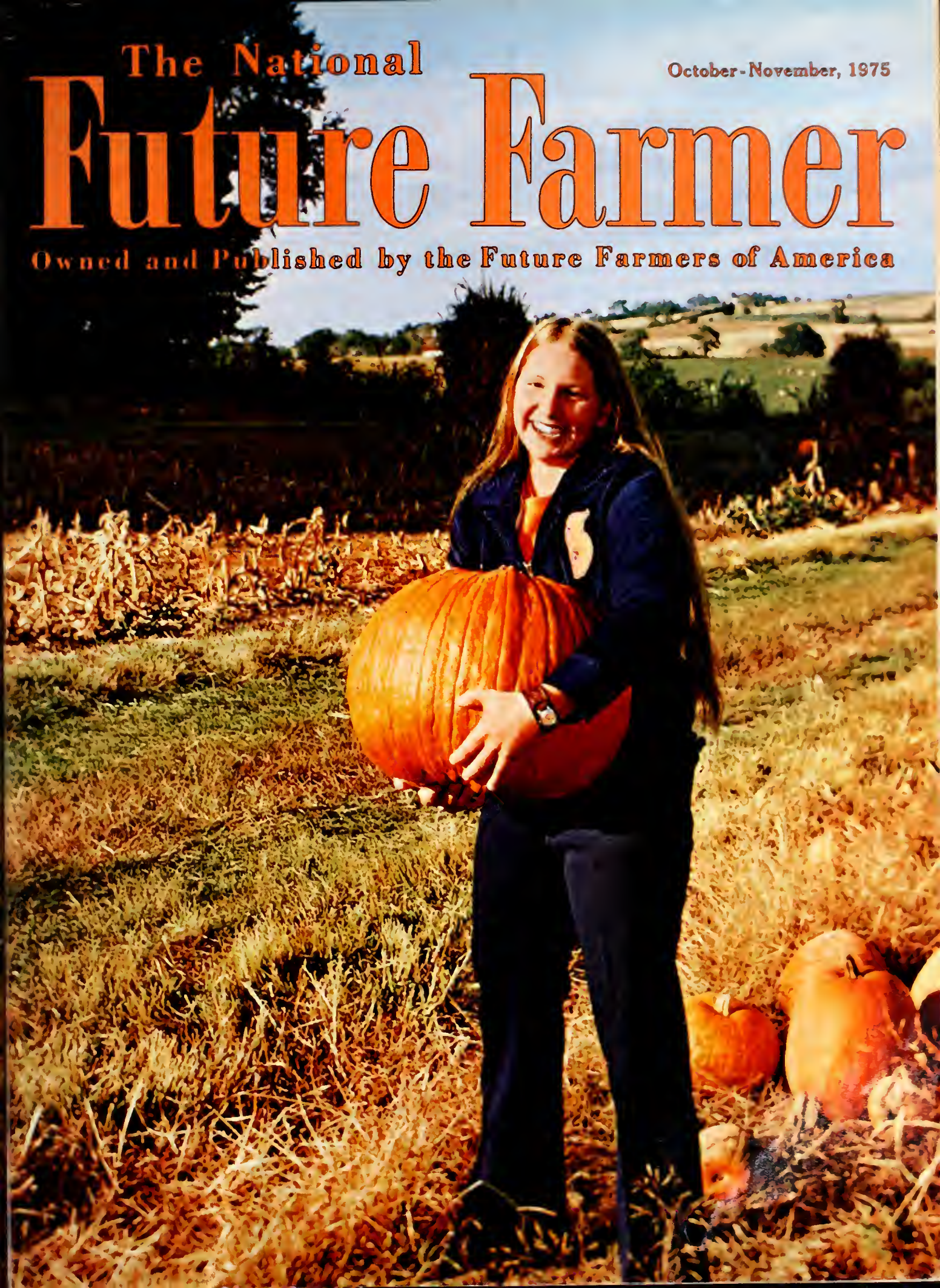
The National
Future Farmer
October-November, 1975
Owned and Published by the Future Farmers of America



Wrangler thinks Americans should get what they pay for.

Every time you spend a dollar for clothes, you should get a dollar's worth of fashion, fit, quality and value. What's more, everything you buy should be guaranteed. That's your right. And that's our responsibility.

Wrangler Sportswear. Wremember the "W" is Silent.

Jeans from $10 to $12. Jackets from $16 to $20. Prices slightly higher in the west.

[illegible] Avenue, New York 10001. ©1975 by Blue Bell, Inc.

The Remington lightweights. There's nothing lightweight about the way they perform.

If you think our 20 gauge Model 1100 and Model 870 "Wingmaster" lightweight shotguns are light on strength, you're in for some surprises.

If you've ever spent a long day's hunt walking up and down rugged hills or working endless cornfields, you know how heavy a gun can get. You know how hard it is to swing smooth when a gun feels like a crowbar and your arms feel like lead.

So do we. That's why we came up with 20 gauge lightweight versions of our 870 "Wingmaster" pump action shotgun and our 1100 automatic.

Don't let the weight fool you. This 870—with a 26" plain barrel—weighs in at only 5¾ pounds. And the 1100 (with the same barrel) weighs just 6½ pounds. They're easy-handling for easy all-day hunting. But we weren't about to sacrifice reliability and performance just to save weight... so our lightweights still have *strong, solid-steel receivers.*

The 870's double action bars give you smooth, fast pumping, without twisting or binding... *the 1100's automatic action* is quick, sure and positive. Both of these lightweights have been specially balanced to give you easy pointing and smooth swinging. Model 870 lightweights come equipped with recoil pads.

And both guns will handle a wide variety of loads. Both of the standard Remington lightweights will shoot all 20 gauge 2¾" standard velocity, "Express" and 2¾" magnum shells without any adjustments. Lightweight magnum versions have 3" chambers which allow the use of 20 gauge ammunition, 2¾" and 3" magnums, interchangeably. In the 870 magnum version, you can use 3" magnums, *plus* all other high and low base 20 gauge 2¾" shotgun shells.

You get greater flexibility and, if you need it, much greater power with the use of the 3" magnum shotgun shell. In fact, the 3" magnum packs the punch of a standard 12 gauge field load.

Make that ammunition Remington. We've designed Remington shotgun shells to work with your gun—to give you a complete shooting system. You can rely on them for top performance every shot.

Light on weight, but heavy on looks. The 1100 and the 870 "Wingmaster" lightweights wouldn't be Remingtons if we didn't give them the looks to go with their performance. White line spacers at the butt plates and pistol grips accent the long-lasting luster of wood and metal.

Our Du Pont RK-W wood finish is tough, hard and scratch-resistant. It'll hold up through years of rough outdoor use.

For your long day in the field, for a certain lady or for a youngster's first gun, the Models 1100 and 870 are the perfect lightweights. Take a look at them today.

To find out more about all of the fine products from Remington, send us a postcard. And we'll send you a free copy of our 1975 catalog. Remington Arms Company, Inc., Dept. 234, Bridgeport, Connecticut 06602.

Remington® DUPONT

Great guns deserve great ammunition. We make both.

Model 1100 20 ga. lightweight,

Model 870 "Wingmaster" 20 ga. lightweight

"Remington" and "Wingmaster" are trademarks registered in the United States Patent Office.
"Express" is a trademark of Remington Arms Company, Inc.

The National
Future Farmer
Owned and Published by the Future Farmers of America

Volume 24 Number 1
October-November, 1975

MAGAZINE STAFF
Editor, Wilson W. Carnes; *Associate Editors*, John M. Pitzer, Gary W. Bye; *Editorial Assistants*, Jo Colley, Barbara Chester; *Circulation Assistants*, Adriana Stagg, Dorothy Hacker; *Advertising Manager*, Glenn D. Luedke; *Regional Advertising Managers*, Duane G. Leach, Richard A. Wright; *Advertising Assistant*, Laurie Welch.

NATIONAL OFFICERS
National President, Alpha Trivette, Route 2, Box 84-F, Ladysmith, Virginia 22501; *National Secretary*, Scott McKain, Route 2, Crothersville, Indiana 47229; *National Vice Presidents*, Gerrit DeBruin, Route 2, Monroe, Wisconsin 53566; Gary Kelley, 243 Walters Street, Ripley, West Virginia 25271; Peter Giacomini, RFD, Box 56, Ferndale, California 95536; Bart Brashears, Box 195, Alex, Oklahoma 73002.

BOARD OF DIRECTORS
Chairman of the Board of Directors, National Advisor H. N. Hunsicker; *Members of the Board*, John W. Bunten, Robert Crawley, H. E. Edwards, Don Erickson, John W. Lacey, Glenn W. Lewis, Art Nelson, Byron F. Rawls.

NATIONAL STAFF
Executive Secretary, William Paul Gray; *National Treasurer*, J. M. Campbell; *Administrative Director*, Edward J. Hawkins; *Associate Executive Secretary*, Coleman Harris; *Manager of International Programs*, Lennie Gamage; *FFA Program Specialist (Awards)*, Robert Seefeldt; *FFA Program Specialist (Contests)*, Ted Amick; *Director of Information*, Daniel Reuwee; *Manager of FFA Supply Service*, Harry J. Andrews; *Administrative Secretary of FFA Alumni Association*, Jay Benham.

ADVERTISING OFFICES
The National FUTURE FARMER
P.O. Box 15130
Alexandria, Virginia 22309 703-360-3600
Whaley-Simpson Company
6430 Sunset Boulevard, Suite 910
Los Angeles, California 90028 213-463-7157
580 Washington Street
San Francisco, California 94111 415-781-4583

The National FUTURE FARMER, member of Audit Bureau of Circulations.

TO CHANGE YOUR ADDRESS OR ORDER A SUBSCRIPTION
Please use this form.

Name (please print)

Address (new, if for change of address)

City State Zip

TO SUBSCRIBE:
check the term below and fill in your name and address above.

☐ 3 years $3
☐ 2 years $2
☐ 1 year $1

Foreign subscriptions add 50¢ a year extra for postage.

ATTACH CHECK AND MAIL TO:
The National FUTURE FARMER
P.O. Box 15130
Alexandria, Virginia 22309

WE MUST HAVE YOUR OLD ADDRESS FOR ADDRESS CHANGE OR OTHER INQUIRY. ATTACH LABEL HERE OR WRITE OLD ADDRESS IN MARGIN AND SEND TO US.

If moving, list new address above.

A Word With The Editor

Agriculture—A Viable Industry

Agriculture is in the news these days—food prices, exports, politics, the use of pesticides and feed additives, labor problems, high cost of inputs, world food shortage—you name it.

Not so frequently mentioned is the fact that more students are discovering agriculture as a career choice. Enrollment in high school vocational agriculture is up, FFA membership is up, agriculture enrollment in many Land Grant colleges and universities is up, and more two-year junior or community colleges offer courses in agriculture.

Looking to the future, agriculture should continue to be a viable industry. Not only do we have the job of feeding our people in this country, but it has been made quite clear that the United States is also expected to help feed the world. One estimate says we must double food production in the next 25 years to feed the growing population. Can you imagine? Double the agriculture output you see around you!

An example of the jobs that exist in agriculture is that of teaching vocational agriculture in high school. Many states are experiencing a shortage of qualified ag teachers at a time when there is an actual surplus of high school teachers in some subjects in some parts of the country.

To get an idea of the opportunities that do exist, just think of the agriculture industry in its broadest definition. This includes farming and ranching and the related areas such as horticulture, the vast agri-business system required to supply and service farmers, and then process and market the products of the farm, and the vast technology required in all these areas. When we think of these, we begin to realize just how many opportunities are available.

How do you get into the act? Education can be the stepping stone that will make a career choice come true. But on the whole, the future of agriculture has never been greater—whether it is in farming or ranching or in the vast agribusiness complex servicing agriculture.

Wilson Carnes

In This Issue

The Curtain Goes Up on 48th 15
FFA Dairy Team Judges 16
White House Intern 16
Bicentennial Briefs 18
World's Largest Jr. Beef Show 23
FDA Warning 24
Jr. Livestock Shows 26
New Breed in Cattle Country 28
Leadership Conferences 30
What Your FFA Leaders Think 31
Best of the Blue and Gold 32
Pick-Your-Own 38
CB's 40
Timber! 48
Pesticide and Ammonia Safety 52
Airborne Agriculture 54
New Motor Sport 68

In Every Issue

Looking Ahead 9
From the Mailbag 10
News in Brief 12
Chapter Scoop 44
FFA in Action 57
The Joke Page 70

The Cover

Football games, county fairs and holiday feasts are all part of the autumn scene. And as the Pilgrims rejoiced at the wealth of their bountiful harvests in early colonial years, so do farmers and our nation's citizens on the eve of the Bicentennial year. Sue Butler, from Damascus, Maryland, imparts that feeling of Thanksgiving following a U.S. record crop year. (See story Page 38.)

Cover Photo by Gary Bye

CHANGE OF ADDRESS: Send both old and new addresses to Circulation Department, *The National FUTURE FARMER*, P.O. Box 15130, Alexandria, Virginia 22309.

CORRESPONDENCE: Address all correspondence to: *The National FUTURE FARMER*, P.O. Box 15130, Alexandria, Virginia 22309. Offices are located at the National FFA Center at 5630 Mount Vernon Highway, Alexandria, Virginia 22309.

The National FUTURE FARMER is published bimonthly by the Future Farmers of America at 5630 Mount Vernon Highway, Alexandria, Virginia 22309. Second class postage paid at Alexandria, Virginia, and at additional mailing offices. Copyright 1975 by the Future Farmers of America.

Single subscription, $1.00 per year in U.S. and possessions. Single copies 20¢. Foreign subscriptions, $1.00 plus 50¢ extra for postage.

1775.
The Navy is born.
One year before the nation.
Which just about sums up the Spirit of '75.
The spirit that keeps the Navy looking ahead.
And Navy men and women moving ahead.
Whether it's 1775. 1975. Or 2075.
It's the spirit of opportunity.
Opportunities that let qualified people secure the future with training in over 70 career fields.
It's the spirit of challenge.
The challenge of mind and muscle expanding work.
It's the spirit of adventure.
The spirit that lets Navy men know this world and its people.
Getting onto good terms with both.
Why don't you get into the spirit?
See your Navy Recruiter.
Or call **800-841-8000** anytime.

The Spirit of '75

Navy

BUILD YOUR FUTURE ON A PROUD TRADITION.

On February 28, 1878, an Act of Congress restored the silver dollar to legal-tender status, replacing the gold dollar as the unit coin. In that same year the famous Liberty Head Dollar, designed by George T. Morgan, came into being and was coined until 1921 when the new Peace design was adopted.

In 1879, just a year after the first Liberty Head Dollar was struck, the Justin Company was founded in Spanish Fort, Texas, and many a "Morgan" buck was plunked down on frontier store counters in exchange for Justin boots.

Justin *96 Years Of Quality*

BOX 548, FORT WORTH, TEXAS 76101

Looking Ahead

Agriculture

FEDS REDEFINE FARM—To better reflect today's agriculture, the official definition of a farm is being changed. The U.S. Department of Agriculture and the Bureau of the Census will now define a farm as "any establishment from which $1,000 or more of agricultural products is sold or would normally be sold during a year." Under the old definition used since the late 1950's, a farm was any place under ten acres with annual sales of $250 or more of agricultural goods, or any place of ten or more acres selling $50 or more. The new definition will result in a decreased number of farms. The extent of the decrease will be known following review of the 1974 Census of Agriculture. The Bureau of the Census will report the 1974 information using both the old and new definitions. Under the old definition, the 1969 Census counted 2.7 million farms.

BY THE ROPS—A new standard requiring Roll-Over Protective Structures for agricultural tractors has been announced by the Occupational Safety and Health Administration. The standard which takes effect October 25, 1976, requires that all new tractors manufactured, sold and used by employees will be required to have overturn protection in the form of a protective cab or roll bar. This and nine other safety procedures became effective June 1, 1975. Farm employers are required to read these instructions to all employees at the time of employment and annually thereafter.

THE INSPECTORS' NOTEBOOK—During first quarter 1975, USDA meat and poultry inspectors found chemical residues in nearly 3 percent of all samples tested, about double the rate of the previous quarter. USDA's Animal and Plant Health Inspection Service (APHIS) reports that the upturn follows a pattern of increased first quarter violations, which officials attribute to the more frequent use of antibiotics to treat animals during the winter months and the spraying of barn interiors and insides of other shelters. Violations occur when residues of chemicals like drugs, antibiotics, growth stimulants, and pesticides surpass tolerance guidelines set by the Food and Drug Administration or Environmental Protection Agency.

BLOOMING AND BOOMING—Cut carnations, gladioli, roses, and chrysanthemums—as well as potted chrysanthemums—from 22 major growing states brought a total of $234 million in wholesale sales last year. Growers realized an additional $111 million in foliage plant sales—up nearly two-thirds from a year earlier. California remained the top producer of carnations, standard and potted mums, and roses, while Florida turned out the most gladioli and foliage plants. Most of the roughly 3,300 commercial producers surveyed had sales of $10,000 to $100,000. Nonetheless, 20 percent reported sales ranging from $100,000 to $250,000 and 15 percent claimed more than $250,000.

CHAROLAIS MAKE LIST—After nearly four decades of making genetic contributions to the American Beef Industry, the Charolais breed has been included in the listing of recognized breeds of the U.S. Department of Agriculture. The "recognition" is a legal listing that permits American breeders to import Charolais from Canada into this country duty-free. Previously importers were required to pay import duties on Charolais cattle brought into this country. The listing was given Charolais following personal conferences between American-International Charolais Association representatives and USDA and in documents supplied by the American and Canadian Charolais Associations.

NEED TO BE HIGH—Farm exports need to be high, emphasized Assistant Secretary of Agriculture Richard E. Bell during a mini-ag-outlook conference in August. The 1975 crop reports indicate that U.S. production of all grains is up 19 percent from fiscal year 1974, requiring export of almost 60 percent of its wheat crop, 25 percent of its corn and 50 percent of its soybeans to avoid the cost of major grain surpluses. Bell sees wheat carry over at 500 million bushels, and corn carry over at 670 million bushels, both more than double that of the current year.

Over $5,000 in prizes
Awarded Monthly

Draw the "Lumberjack"

Let the "Lumberjack" help you test your talent. You may win one of five $845.00 Commercial Art Scholarships or any one of seventy-five $10.00 cash prizes.

Draw the "Lumberjack" any size except like a tracing. Use pencil. Every qualified entrant receives a free professional estimate of his drawing.

Scholarship winners will receive Fundamentals of Commercial Art taught by Art Instruction Schools, Inc., one of America's leading home study art schools.

Try for an art scholarship that may lead you into the exciting fields of advertising art and illustrating, cartooning or painting. Your entry will be judged in the month received. Prizes awarded for best drawings of various subjects received from qualified entrants age 14 and over. One $25 cash award for the best drawing from entrants age 12 and 13. No drawings can be returned. Our students and professional artists not eligible. Contest winners will be notified. Send your entry today.

MAIL THIS COUPON TO ENTER CONTEST

ART INSTRUCTION SCHOOLS, INC.
Studio 50-3540
500 South Fourth Street
Minneapolis, Minnesota 55415

Please enter my drawing in your monthly contest. (PLEASE PRINT)

Name_____

Occupation_____ Age_____

Address_____ Apt._____

City_____ State_____

County_____ Zip Code_____

Telephone Number_____

Accredited by the Accrediting Commission of the National Home Study Council.

hunting hints

Rooster pheasants almost always cackle when they flush, but it would be a mistake to depend entirely on this as a means of telling whether the bird is a legal rooster or an illegal hen. Although it very rarely happens, hens can make a cackling sound too — and waiting for the cackle that doesn't come may cost you a shot at a rooster. To be on the safe side, let your eyes tell you whether the bird is a rooster or hen; let the cackle serve to alert you that a bird is flushing.

H. G. TAPPLY, Editor—Field & Stream

SPECIAL OFFER. A 32-page book on "Upland Game Birds" and a 24-page book on "Big Game Animals." Loaded with facts and full color photographs. Send 50¢ for each, plus your name and address to: Federal Book Offer, Box 625, Maple Plain, Minnesota 55359.

For everything from plinking to big game hunting, clay targets to wild turkeys, Federal concentrates on producing the finest ammunition available to sportsmen.

ammo is our only business

FEDERAL®

CARTRIDGE

MINNEAPOLIS, MINNESOTA 55402

From the Mailbag

Readers Report

Morgan City, Louisiana

In your August-September edition you have an article on the National High School Rodeo Association. I would like very much to know how I could get some information on entering these rodeos.

Camille J. Simoneaux

Poway, California

The article "More Than Just a Hobby" about the FFA horse proficiency award was very interesting and brought about an important new field for FFA.

I am very involved with horses and FFA and it was difficult raising a not-really-wanted animal on the side.

I also have a large interest in "FFA's Cajun Cowboys" article. The mention of how rodeo and FFA can get along is a good idea, because clubs sometimes get down on horse and/or rodeo aspects. These were much needed articles.

Jill Churchill

Clearbrook, Virginia

I read the article in the last issue on "Cajun Cowboys." I thought it was very good. So I was wondering how come the chapters out west are the only ones who have RODEOS! We never have any around Virginia. Like I love to barrel race and goat tie.

So I was wondering how we could get one started here? Thank you very much.

Saundra Wisecarver

Hastings, Michigan

I live in Michigan and I enter junior rodeos. I wish our chapter could get involved in rodeos or horse shows.

I raise and train Pintos and Quarterhorses for barrels and other speed events and run junior rodeos. Please send me anything that could help me get into a junior rodeo association.

Anita Barton

Several readers asked for more information about the National High School Rodeo Association. We forwarded their letters to Mr. Gene Litton, Secretary-Treasurer, NHSRA, Box 35, Edgar, Montana 59026.—Ed.

Conway, Arkansas

Our family enjoyed your article on Kim, which appeared in the June-July edition. We are wondering if it would be possible to obtain more copies of this article.

An update: May 29, at the state FFA convention in Hot Springs, Kim received the first prize in the horse proficiency program. He is the first recipient of the award in Arkansas. We are proud parents. We are sorry we did not know before.

Elizabeth W. Colvin

Neosho, Missouri

In the June-July issue you had the old joke about "How big was the town that you came from, Al?" Al: "Big? My town was so small our sanitation department was a goat . . ."

I know it was meant in fun but I have been seeing this publication around this house for over three years. In none of these issues have I seen a thing about the real side of goats.

Frances G. Biss
Sgt. Ret. Army

Milwaukee, Wisconsin

I am a student writing a paper to document the achievements of American agriculture. My research includes looking for state and national records relating to agriculture. These may include facts such as the largest tractor, fastest horse, highest yield per acre of a crop, most prolific cow or whatever.

If your members have any information relating to records for any of the major agricultural products from your state or field of expertise, I would appreciate learning of them.

Mark Shain

Send your "records" to us and we'll forward them to Mark.—Ed.

Demossville, Kentucky

Thanks to FFA strawberries I am, at age 37, finally realizing a life long dream. I am attending Booth Hospital School of Nursing financed by my children—David Mark, class of '75, Daniel Matthew, class of '78, Melinda Sue, class of '74.

Husband Bob has helped, and so has ag teacher at Independence, Kentucky, John I. Gray.

Not many kids put mom through school, so I wanted to give them a public "thank you," and express appreciation for the values FFA teaches.

Carol W. Chapman

Tooele, Utah

The article in the magazine about our rebuilding the pony express station was great. We have really enjoyed reading it and making sure that everyone around here reads it too.

You have probably heard that we are the regional winners with our BOAC project. Sure hope we can go all the way.

Leland Beckstrom, Advisor

Bellevue, Michigan

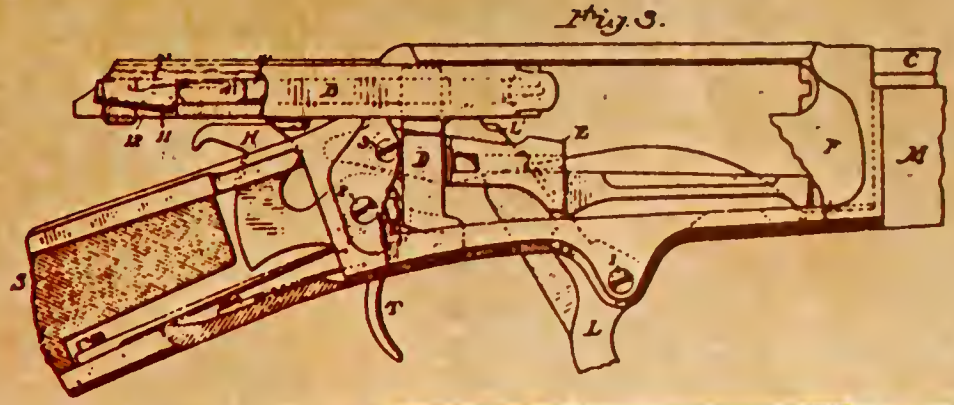
My letter is in regard to the article "Cash In On Your Interests" about becoming a marketing agent. I am very interested in livestock and was wondering if you could tell me how a 16-year-old would go about getting into this line of work.

I'm very active in FFA and have a small herd of Hereford cattle. I seem to fit the qualifications to the letter and would appreciate any help you could give me.

Tony King

If you are interested in obtaining employment in this field, we would suggest you talk to or write a market agent at a nearby major stockyard market. They should be ahle to provide information or suggestions.—Ed.

The Marlin 336.
First it went down on paper.



Then it went down in history.

About 82 years ago, we sold our first Model 1893.

The guy who bought it must have been pretty pleased. Because word started getting around.

Before we knew it, we had one of the hottest-selling, most popular rifles ever built.

Today, after more than 8 decades and only slight modifications, the legend of America's premier deer rifle continues in the Marlin Model 336. What's made it such a great gun is all the great things that go into it.

A simple, fast action, with six critical parts machined from solid steel forgings, then heat treated for added strength and durability. An adjustable folding semi-buckhorn rear and ramp front sight with Wide-Scan™ hood. A solid top receiver with side ejection for low, centered scope mounting. A genuine American black walnut stock. And Marlin's famous Micro-Groove® rifling. And today you don't have to settle for just one version of the 336. Now there are 3 to choose from.

The 336C with pistol grip in .30/30 Win. or .35 Rem. And the 336A, like the 336C but with a longer 24" barrel, available in .30/30 Win. Or the 336T with traditional straight grip in .30/30 Win.

The Marlin 336, from about $126.95. You pay for a gun. You get a legend. See the entire Marlin line, along with popular-priced Glenfield rifles, at your gun dealer's.

Be sure to ask for your free copy of our new catalog, too. Or write Marlin Firearms Co., North Haven, CT. 06473.

Marlin® Made now as they were then.

★★★★★★★★★★★★★

New '76 catalog puts spirit into your supplies and equipment decisions

Sound the fife and drums. Nasco's new Farm and Ranch Catalog for '76 is here. For you. ■ Use it to order the many day-to-day supplies and equipment you'll need over the months ahead. ■ Items like animal health products. Breed promotion items. Showing and grooming supplies. Trophies. Livestock identification. And A.I. needs. ■ Send for your free catalog today. That's the spirit. **Write Dept. AL-510.**

Nasco
Fort Atkinson, Wisconsin 53538
or Modesto, California 95352

★★★★★★★★★★★★★

STAY ALIVE IN '75
MAKE CHRISTMAS TREES
YOUR PROFIT PROJECT

CONTACT
SNOW-CREST
Christmas Trees

THE HOME OF PROFESSIONAL
SHEARED CHRISTMAS TREES

All Trees Cut, Baled and Loaded on Your Trucks (or Delivered at extra cost)

WRITE FOR '75 PRICE LIST
Feel free to contact us for suggestive retail tips

Office at:
5 W. Montello St. Phone 1-414-297-2171
Irv. Daggett (Owner) Res. Phone 1-414-297-2654
Hallis Jones (Mgr.) Res. Phone 1-414-297-2012
MONTELLO, WIS. 53949

Don't Settle for Less Than a Snow-Crest

News in Brief

The FFA

LEACH LEAVES MAGAZINE—Seven years after joining the staff of *The National FUTURE FARMER* magazine, Duane Leach has resigned his position as Regional Advertising Manager. Following his resignation, Duane moved back to his home state of Minnesota where he says he will maintain a close working relationship with the FFA program. Prior to his employment in 1968, Leach had taught agriculture in Minnesota for two years and was a National FFA Officer in 1962-63.

ALL ABOARD AIR FORCE TWO—Alpha Trivette, National FFA President, was recently invited to accompany Vice President Nelson Rockefeller on a visit to London, England. The Vice President helped dedicate the opening of a special Bicentennial exhibit called "The World of Franklin and Jefferson" which had previous showings in Europe and which will also visit New York, Chicago, and Los Angeles. Trivette was selected by Rockefeller along with 17 others to represent our nation at the opening.

FIRST WORLD CONFERENCE PLANNED—International agricultural education will take a step forward this fall when planning gets underway in November for the First World Conference in Agricultural Education for Youth and Adult Leaders. The conference will be hosted by the Future Farmers of America as a Bicentennial activity and will be held in conjunction with the National FFA Convention in Kansas City, Missouri, in November, 1976. It will feature seminars on agricultural education and the first International Agricultural Olympics competition. The conference is being made possible through a grant to the National FFA Foundation. Massey-Ferguson, Inc., of Des Moines, Iowa, is funding the program with a $32,000 grant, $8,000 of which will be provided in 1975 for a planning meeting. Nearly 150 educators and students are expected to attend the conference in 1976.

KANTNER TO COUNCIL—Dr. Earl Kantner, FFA Executive Secretary in Ohio, has been appointed as the State FFA Executive Secretary on the National FFA Alumni Council by the National Association Supervisors of Agricultural Education. He began his duties by participating in the July National Council Meeting.

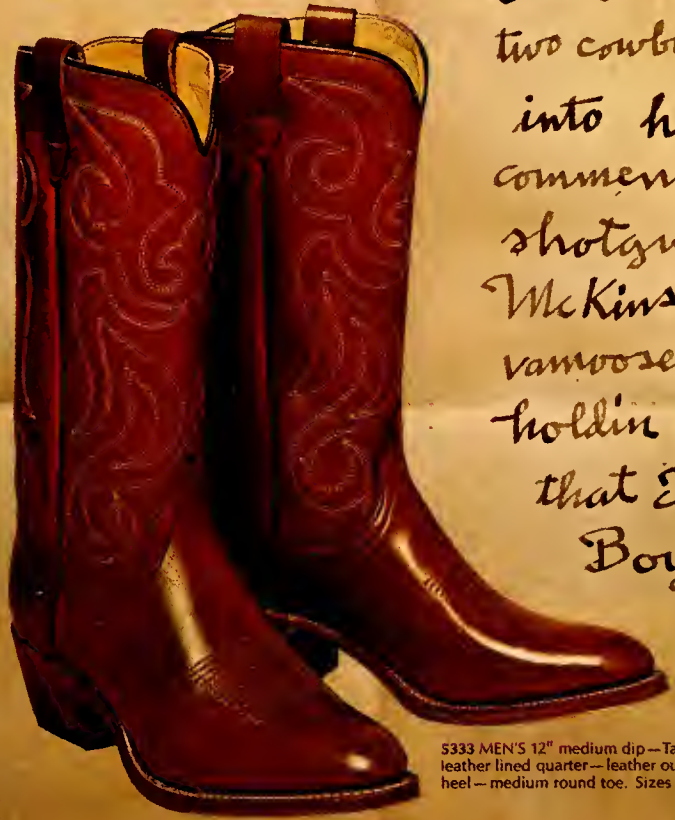
SERVING SAFETY—The National FFA Organization has been recognized by the National Safety Council for its outstanding contribution to the cause of safety among America's youth. The organization received the NSC Youth Conference's highest award—the Award of Honor—in Chicago. Also receiving the Award of Honor were two FFA chapters who were recognized as FFA Gold Emblem safety winners at last year's National Convention—Big Walnut FFA, Sunbury, Ohio, and Denmark FFA, Denmark, Wisconsin. Receiving the Award of Merit from the Council were the Riverview FFA, Warsaw, Ohio, and the Lyon County FFA, Eddyville, Kentucky.

BENHAM RESIGNS—Administrative Secretary of the National FFA Alumni Jay Benham recently announced to the Alumni Council his resignation from the staff. Benham has been with the Alumni since its beginning in January, 1971, and is leaving the organization to return to his farm in Ohio. A search is now underway to find a qualified replacement. During Benham's tenure, the Alumni grew to over 16,000 active members and 540 life members in 46 state affiliates.

BOARD OKAYS BUILDING—The National FFA Board of Directors and Student Officers okayed at their regular mid-July meeting plans to expand the National FFA Center facilities by adding a warehouse for storage. Building construction will begin in October and is scheduled for completion by June 1, 1976.

Dear Sam, It's been a long dusty drive up here to Caldwell, and I guess some of us boy's kinda let loose last night. I got tromped on by a horse that joined us for a game of poker at Miss Tillie's place, and about

all I recollect after that was some shootin, yellin and folks runnin this way and that. Seems Miss Tillie didn't take kindly to those two cowboys ridin their horses into her "parlor." When she commenced to wave that ol' shotgun around, me and McKinsey took us one look and vamoosed - and me a holdin the best cards that I'd seen all night.



Boy, a little innocent fun can shore git dangerous in a cow town.

Best Regards
Charlie

5333 MEN'S 12" medium dip—Tan Latigo Leather—leather lined quarter—leather outsole—riding heel—medium round toe. Sizes B/8-12, 13; D/6½-12, 13.

Wrangler® Boots

Div. of Blue Bell, Inc. Box 60485 · Nashville, Tennessee 37206

No. 4 in a series of letters from Charlie.

New tractor or old, give it the best care with a true diesel fuel.

It's the same advice most parents pass on to their kids: "Take good care of it, and it'll last you." Whether it's a toy, a new coat, or a piece of machinery.

And when it comes to diesel engines, your Standard Farm Man's advice is to use a true diesel fuel. One that's specially formulated for diesels. Like Amoco® Premier diesel fuel. You'll get performance and protection that just aren't possible with a typical furnace oil.

Amoco Premier diesel fuel has a naturally high cetane number for fast starts. It's low in sulfur for reduced engine deposits. And it's blended to give the right flow and burning properties for smooth power and less smoke.

It also has an exclusive additive combination called D-Guard that protects your diesel engine from rust, corrosion, gum deposits, filter clogging, and other fuel system problems.

Ask your Standard Farm Man about the Amoco farm fuels Final/Filter®, too, and any questions you may have about lead-free gasoline.

He's backed by some of the best product experts in the business, and by the company with over 75 years of service to farmers.

Like we say . . .

"as you farm ask us".™

STANDARD

Farm & Home Service

Standard Oil Division of Amoco Oil Company

The Curtain Goes Up on the 48th

THE curtain call will be one month later than usual, November 11-14, but the convention will be every bit as big and exciting. Over 16,000 members and guests will be treated to a program packed with activity, during which state FFA delegates will carry out the business of the organization that will set the tone for another successful FFA year.

As usual the convention will mix business with pleasure, including some top speakers and entertainment (sorry, but the names have not yet been released). FFA talent will abound through performances of the National FFA Chorus and National FFA Band, both which are selected from the applications of every state association.

Many top teams and individual award winners will be recognized, some only after stiff competition held throughout the week. And highlighting the week will be the selection of the nation's Star Farmer and Agribusinessman and election of the new national officer team for 1975-76.

The FFA convention will again enjoy cooperating with the American Royal Livestock and Horse Show which will be making use of the newly built Kemper Auditorium.

Call to National FFA Convention

Fellow FFA Members:

By the power vested in me as President of the Future Farmers of America, I am pleased to issue the call for all chapters in good standing to send representatives to the National FFA Convention in Kansas City, Missouri, November 11-14, at the Municipal Auditorium. The 48th Annual Convention will crown a year of accomplishments by our members and will initiate next year's achievements.

This year's convention promises to be the most successful yet. As the largest youth convention, we will be attracting national leaders to our stage along with award winners, degree recipients, Foundation sponsors and other VIP's.

It is a time of special pageantry with the "Stars Over America" and an auditorium filled with music provided by the National FFA Chorus and the National FFA Band, as over 16,000 members and friends look on.

The convention has again been moved forward one day to schedule an official business session on Tuesday afternoon, November 11, to give greater flexibility to the program and shorten the convention sessions. The National Officers will conduct a Vespers Program on Tuesday evening, before officially opening the convention on Wednesday morning. Each session will be filled with the sharing of thoughts, official FFA business, ceremonies, recognition of achievements, and showing of sincere appreciation to those who support Agricultural Education/FFA.

I encourage members from each chapter to participate in all sessions, visit the Agricultural Career Show and the FFA Day at the American Royal. In addition to the chapter representatives, each State Association is also entitled to have its official delegates, as stated in the National FFA Constitution.

The fine image of our organization has been portrayed in the past at every convention. I have faith that if the rules of proper dress and the Code of Ethics are observed by all members while in Kansas City, our image shall continue in its finest tradition.

Help make the 48th National FFA Convention the most educational, inspirational and successful yet. I'll see you in November.

Sincerely,

Alpha Trivette
National FFA President

1975 Convention Highlights

SUNDAY, NOVEMBER 9

1:00 p.m.	First practice FFA Band and Chorus

MONDAY, NOVEMBER 10

12:30-1:45 p.m.	Delegate Registration
2:00-4:00 p.m.	Officer-Delegate Meeting

TUESDAY, NOVEMBER 11

9:00 a.m.	Early Registration
11:45 a.m.	Officer-Delegate Luncheon
1:00 p.m.	Opening of Agricultural Career Show
2:00-4:00 p.m.	Business Session
7:30 p.m.	Vespers Program— National Officers and Chorus

WEDNESDAY, NOVEMBER 12

8:00 a.m.	Registration Meats Contest
8:30 a.m.	Milk Quality and Dairy Foods Contest
9:00 a.m.	Opening Session Poultry Contest
12:30 p.m.	Agricultural Mechanics Contest
1:00 p.m.	Dairy Cattle Contest Tours to Points of Interest
2:00 p.m.	Business Session Horticulture Contest
7:45 p.m.	National Public Speaking Contest

THURSDAY, NOVEMBER 13

7:00 a.m.	Registration Livestock Contest
8:00 a.m.	FFA Alumni Opening Session
9:00 a.m.	National FFA Foundation Awards Distinguished Service Awards
2:00 p.m.	Conferring Honorary American Farmer Degrees
3:15 p.m.	Conferring American Farmer Degrees
6:45 p.m.	FFA Talent Show
7:30 p.m.	1975 "Stars Over America" Pageant

FRIDAY, NOVEMBER 14

8:30-10:00 a.m.	FFA Alumni Association Meeting
9:15 a.m.	FFA International Activities Announcement of National Contest Winners Election of 1975-76 National Officers
1:00 p.m.	FFA Day at American Royal Livestock and Horse Show
7:15 p.m	Installation of 1975-76 National Officers Special Entertainment—Firestone Show

SATURDAY, NOVEMBER 15

8:30 a.m.	American Royal Parade—Led by National FFA Band

PLEASE NOTE: Everyone who attends the Convention must register and pay the $4.00 registration fee. Before coming to the Convention, each chapter must get an official registration card from their state FFA office which must be signed by the principal or superintendent.

Weld it yourself with a Lincoln AC-225

You can save a lot of money and time by handling repair jobs yourself. Lincoln's AC-225 makes weld-it-yourself easy.

Many uses: You can make welding repairs on cars, trucks, trailers, farm equipment, many metal assemblies. Also fabricate your own equipment. Or do jobs like hard surfacing or heating metal for bending.

Easy to operate: You don't have to go to welding school to use this Lincoln, just follow the simple instruction book furnished. You set a single dial to select current. Follow electrode selection guide on top of the machine. Unit plugs into standard 230 volt, single phase power source.

Dependable: Unit is built by Lincoln Electric, world's foremost welding equipment producer. Lincoln experience makes it dependable and long lasting. It's rugged and mobile (wheels optional). Top value for an economical price.

See the AC-225 at your Lincoln dealer. More than 1200 stores nationwide. Check the Yellow Pages for one nearest you.

LINCOLN ELECTRIC

The Lincoln Electric Company
Dept. NFF10-5, Cleveland, Ohio 44117

☐ Send free bulletin
☐ Send price information

Name _____

Address _____

City _____

State _____ Zip _____

McClure White House Intern

FREDERICK McClure, 21, of San Augustine, Texas, served as one of 33 White House Summer Interns this summer.

The White House Summer Intern Program was established in 1969 for the purpose of giving outstanding graduate and undergraduate college students a firsthand view of the Executive Branch of the Federal Government. This year's interns were selected from more than 1,100 applications on the basis of their proven academic ability, extracurricular involvement and demonstrated leadership potential.

A junior in agricultural economics at Texas A&M University, McClure was assigned to the Presidential Personnel Office.

He formerly served as National Secretary and State President of the Texas Future Farmers of America, speaking to over 900 groups in 38 states and Panama while in office.

At A&M McClure has served as president of the Pre-Law Society and the Freshman Agricultural Society. In 1975 he was selected the Outstanding Sophomore in the College of Agriculture and was a delegate to the twentieth Student Conference on National Affairs. Last spring he was elected to the Student Senate and is serving as Speaker of the Senate this fall.

President Ford offers congratulations to Fred McClure, White House Intern.

FFA Team Judges in Europe

A CALIFORNIA FFA Dairy Judging team representing the United States captured second place in the International Dairy Judging competition in Builth Wells, Wales. Team members Don Warden, Kelly Rodriguez, Jeanne Helpenstine, and alternate Kelly Coull were accompanied by their FFA coach Leslie Ferreira. Kelly Rodriguez and Don Warden took individual honors in the senior division.

The FFA teams travel to the international contest was partially sponsored by the Associated Milk Producers, Inc. of San Antonio, Texas, through the National FFA Foundation.

The Maryland 4-H team which travelled with the San Luis team won the international competition at the Royal Welsh Show by a narrow margin of ten points. This marks the first time that USA teams have placed first and second over their European counterparts.

FFA's national champion dairy judges won right to compete internationally.

The dairy team combined the international contest with an extended tour to various European dairies to compare livestock and practices.

The Lee Rider: Bobby Berger.

"I guess bronc ridin's my favorite. Some of these old broncs been around for years. And you admire 'em. They just never quit.

"You learn their patterns. So while I'm limberin' up and gettin' ready, I'm thinkin' about that one horse and programming myself to ride according to his pattern."

"Darann and I like horses. Our friends think we got us a ranch in Oklahoma. I tell 'em we got this 80 by 120 foot spread in Norman, and the only livestock we own is a poodle dog."

Lee

LEE RIDER JEANS, JACKETS & SHIRTS
H. D. Lee Company, Inc., P.O. Box 440, Shawnee Mission, Kansas 66201

Bicentennial Briefs

SAY FFA WITH FLOWERS—is one of the summer activities of the Cando FFA Chapter, *Cando, North Dakota,* who planted their insignia on a plot adjoining Highway 281 south in front of Dairyland. The bright red, white and blue flower bed is one of the chapter's Bicentennial projects involved in part of their "Building Our American Communities Program." The flowers were furnished by a local floral company and the soil for the plot was given by a cooperative farmer.

The chapter has also planted 25 aspen trees northwest of the football field as a Bicentennial project. They have a full program of 20 "community improvement programs" on their schedule for the coming year. Among them is an aluminum can recycling project, a clean up of a park area, the installing of community welcome signs and community firewood give-away.

REVERE HAILS HOVEN— In *Hoven, South Dakota,* the Hoven FFA cooperated in a re-enactment of Paul Revere's famous ride. The American Legion, the Senior Citizens, the Hoven Service Club and the FFA combined their efforts for this affair. In the Hoven ride, Paul Revere rode into town to spread the word of the Bicentennial and handed the declaration to members of the FFA chapter who in turn delivered them throughout the town.

SWEET CELEBRATION—Members of the *Ninnekah, Oklahoma,* FFA Chapter helped celebrate the Bicentennial by having an old-fashioned ice cream social. National FFA President Alpha Trivette and National FFA Vice President Bart Brashears were there to talk on leadership and goals of FFA.

PATRIOTIC PRIZE—The Brookwood FFA Chapter, *Ontario, Wisconsin,* received a first place award at the Monroe County Fair for their work on a booth featuring the upcoming Bicentennial.

STACKING STONES—The *Brainerd, Minnesota,* FFA Chapter has been picking up rocks which will be used to erect landmarks for the Bicentennial celebration.

FLYING THE FLAG UP FRONT—The local American Legion post in *Prague, Oklahoma,* donated a new American flag to the FFA chapter to fly in front of the vo-ag classroom.

MINUTEMEN MEETING—Eddie Bailey, the President of the Alexandria FFA Chapter, *Albany, Ohio,* recently attended a four day workshop to be a Bicentennial "Minuteman" in Athens County. The costs of the workshop were paid by the Alexandria Chapter. Bailey is also District FFA President and will use his training to assist local civic groups in planning for the 200th year celebration.

IDEAS

FARM SHOW A FAVORITE—this list of Bicentennial ideas was submitted by the *Glen Rose, Texas,* FFA. They say most of the ideas were tried and the favorite was Antique and New Farming Equipment Show held on Agriculture Day. They also liked log chopping and egg tossing. Here are some other suggestions.

1. Subscribe to: *Centennial Times* (Address: Heritage '76, ARBC, 736 Jackson Place, N.W., Washington, D.C. 20406)

2. Construct an attractive FFA monument entrance sign to your town or city. (Example: Glen Rose FFA Welcomes You.)

3. Plant an annual flower bed on school campus in an appropriate shape, flowers being red, white, and blue. (Example: Flower bed in the shape of a five-pointed star.)

4. Landscape school campus including one formal planting. (Example: Rose garden of red, white, and blue roses.)

5. Organize honor guard consisting of FFA students in official FFA jackets. (Obtain U. S. flag, State flag, and FFA flag.)

6. Organize FFA rodeo club or riding club, members to be in appropriate uniforms.

7. Hold an antique and new farming equipment show.

8. Assemble a picture gallery of pictures relating to farming in the community of years past. (Example: Obtain pictures of old cotton gins, syrup mills, horse drawn farming implements, etc.)

9. Sponsor an art show by enlisting the aid of all artists in the community.

10. Work with city and county officials in obtaining: (a) A coat of arms (patterned after France) for city or county. (Enlist help of local artists.) (b) Seal of office (redesign, if needed, to typify community history and goals of future).

11. Sponsor a flag-making contest in order that every school, city, and county has its own distinctive flag. (Example: School boards, city councils, or commissioners' court to be judges of contests.)

12. Construct one public exhibit at a fair or livestock show depicting the evolution of farming.

13. Revive an interest in rural recreation to include: folk dances, folk music, and gay ninety's dress.

14. Help construct at least one historical marker by cooperating with the local historical society.

15. Revive an interest in local history to include school, community, city and county archives. (Example: Instructors to obtain photostats of important documents and use same as teaching aids.)

16. Join the National FFA "Food for America" program. (Emphasize the home vegetable garden approach.)

How are you celebrating 1976? Let *The National FUTURE FARMER* know.

Paul Revere rode again in Hoven, North Dakota, as the Bicentennial Celebration got underway. The ride was one of many activities FFA chapters have undertaken.

Quality.

Before a man becomes a Marine recruit, we make sure he's the kind of man we *want* to train: with brains as well as brawn, integrity as well as intelligence. So that after 11 weeks of boot camp, the good man that went in...comes out even better. Because he's earned what we think is the proudest title in the world. United States Marine.

After that, it's on to some really great opportunities: the chance to learn a good skill, to continue your education, to grow, achieve, lead. Maybe you could do all that in another branch of the service. But the difference we offer is this: you call yourself *Marine*. And quality is your middle name. Mail the card or call 800-423-2600, toll free. In California, 800-252-0241.

The Marines

Shell horse wormer... the best wormer you can buy. Here's proof:

PRODUCT	% EFFICACY*						
	BOTS	ROUNDWORMS	LARGE BLOODWORMS (Vulgaris)	LARGE BLOODWORMS (Edentatus)	SMALL BLOODWORMS	PINWORMS Mature	PINWORMS Immature
Shell Horse Wormer	91-100	99-100	100	90-100	85-100	99-100	99-100
Alfalfa Pellet Horse Wormer	0	90-100	40-60	0-10	90-100	70-80	10-20
Bot-X	90-100	95-100	0-10	0-5	0-30	90-100	10-20
Foal Wormer	0	90-100	40-60	0-10	90-100	70-80	10-20
Pheno-Sweet	0	0	50-75	20-40	85-95	0	25-50
Wonder Wormer	0	90-100	40-60	0-10	90-100	70-80	10-20
Banminth	0	99	90	80	85	90+	75
Performance Wormer	0	10-30	90-100	90-100	90-100	90-100	30-40
Anthon	90-100	95-100	0-10	0-5	0-30	90-100	10-20

*Compiled from published reports and selected Shell Data

The Internal Groomer . . . kills both worms and bots with just one simple treatment.

SHELL horse products

SHELL CHEMICAL COMPANY
Animal Health, 2401 Crow Canyon Road, San Ramon, California 94583

Pens of five fill the Ak-sar-ben arena during heifer show.

Spectators watch with interest as judging progresses. The show ring was kept busy for six full days of competition.

A judging committee (left) tries to agree on class winner while (right) a champion is picked with the slap of a hand.

World's Largest Junior Beef Heifer Show Held

IT WAS billed as the world's largest—almost a super bowl of stock shows. And even though the actual figures fell a few head short of breaking the 1,000 cow count, no one seemed disappointed. Showmen, delegates, spectators and parents came, some pulling stock trailers hundreds of miles loaded with some of the nation's best purebred beef stock, in pursuit of the coveted and elusive title of Grand Champion.

They met at a place called Ak-sar-ben (which is Nebraska spelled backwards for you trivia lovers), a livestock and community center in Omaha, which boasts of sponsoring the world's largest 4-H livestock show.

This year Ak-sar-ben was selected as the site of another livestock extravaganza, the National Junior Beef Heifer Classic. It marked a first in junior livestock shows—a combined breed heifer event. The meeting pulled together three breed group organizations; Shorthorn, Angus and Polled Hereford.

"Each group sponsored their own unique show program but combined shows to offer the young exhibitors a chance to exchange ideas, form opinions, and make friends with the people of the other breed groups," says Ak-sar-ben General Manager Bob Volk. The arena was kept busy. Approximately 840 heifers entered the show ring for visual evaluation by the livestock judges.

Initiating the week's activity were junior members of the American Polled Hereford Association. Young showmen from 25 states paraded 355 head of heifers before the judges. And for the first time in their history, a National Junior Polled Hereford Showmanship Contest was held. The contest added a new twist to the traditional competition. After ten finalists were selected, the heifers were taken out of the ring and wet down completely. The exhibitors were then given 15 minutes to regroom the animals for the show ring.

In conjunction with the whiteface show was the annual meeting of the National Junior Polled Hereford Council, at which 12 new council members were elected to represent the 7,500 Junior members. American Polled Hereford Association officials noted, for our benefit, that seven of the 12 had been or now are members of the FFA. Vice

(Continued on Page 64)

Shorthorn winner Tracy Holbert gets congratulated by fellow Texas FFA'er.

A stock show just wouldn't seem complete without a snooze in the straw.

Champion showman Dave Zehr got show experience through a part-time job.

Keeping accurate drug records and training your help in record keeping practices are critical steps in a proper drug use program for all livestock producers.

Warning from FDA: Use Animal Drugs Carefully

Can Improper Animal Drug Use Really Affect You?

You'd better believe it! Let's take an example. You've worked hard all year long growing out that feeder steer. Finally he is at the weight you feel is right to auction. You need that good price to pay back all the costs for feed and pasture. Now you're being told the animal carcass is being discarded because of drug residues detected in the meat.

An impossible happening?

No—unlikely maybe, but not impossible according to Food and Drug Administration officials. Livestock producers do face the threat of economic loss and loss of reputation if they misuse animal drugs.

But you say you don't use such drugs very often. Could be, but FDA's Dr. K. F. Johnson, Division Director for Veterinary Medical Review, estimates that 80 percent of U. S. livestock and poultry receives some animal drug during their lifetime. The drugs are commonly used to control or treat animal disease and to promote growth of livestock. Some drugs are used as injectables but many are in the form of feed additives.

The instructions for using any animal drug must include the "Warnings" that protect you and the consumer.

Under Federal Food and Drug laws the liability for causing an illegal drug residue can begin with the producer.

Why should producers be bothered?

Simply because use of some of these drugs can result in tissue residues which could be hazardous for consumers. In order to protect the public, the Food and Drug Administration and the U. S. Department of Agriculture, through its Animal and Plant Health Inspection Service (APHIS), cooperate in a program to monitor and control the use of these drugs.

How does the monitoring program work?

The monitoring program determines the incidence of the various drug, pesticide, environmental, and agricultural chemical residues occurring in animal tissue. Random tissue samples are taken from carcasses of meat animals and milk sold through markets doing business across state lines. Many of the elements or compounds are present due to incidental natural exposure or are present due to accepted agricultural practices.

To assure consumer safety the FDA has established tolerances for many of these residues. As an aid to the producer so he doesn't inadvertantly exceed these levels, APHIS notifies the individual producer whenever test results measure between 80 and 100 percent of the tolerance. APHIS then tests animals from subsequent flocks or herds for assurance that production from that particular farm is in compliance with FDA requirements.

What happens when an illegal drug is detected?

When above-level (illegal) drug residue is detected, APHIS reports the violation to FDA's Bureau of Veterinary Medicine. The Bureau then requests an investigation by the appropriate FDA District Office. Mr. Philip Sheeler of BVM's Compliance Division, says FDA investigators visit the farm or feedlot from which the animal went to slaughter. The investigation aims at determining the cause of the residue and identifying those responsible.

Results of the investigation can be used in the next step of the investigation, the surveillance phase. In this phase a subjective sampling method is used. Animals are sampled which belong to producers who have been identified with recent illegal residues. Sampling is also done if there is an indication that the animal may contain violative residues, such as marks left by drug injection. Animals suspected of sickness or disease may also be sampled in the surveillance phase.

What will happen to me if drug residues are found in my animal?

Don't panic, you won't be locked up. Usually FDA does not take legal action against a first time offender of the residue regulations. However a second time offender faces possible criminal prosecution. Violating FDA's residue regulations can lead to court actions and judges have handed down stiff fines for those convicted of breaking the law.

Animals discovered with above-tolerance residues are condemned by APHIS. Producers of these animals are also subject to restrictions on the marketing of future shipments until they can prove their animals are in compliance with applicable tolerance.

(Continued on Page 42)

In times like these, it helps to have tractor tires that let you quit as much as an hour earlier or work up to six more acres per day.

Nobody ever said it would be easy to farm for a living. But the way things are today, maybe you wonder how it could get any rougher. You're squeezed between ever upward costs and ever downward profits. And you're looking for ways to make your equipment dollars work harder.

Which is why you'll want to study Firestone's 23° tractor tires and what they can save you

The facts are, compared to high bar angle tractor tires, our tests proved Firestone 23° tires can let you quit as much as an hour earlier, or work up to six more acres per day. You can do more (or less) depending on the amount of acres you plow per day and the time you work.

Now with tires that work harder and faster, you stand a better chance of hitting your optimum harvesting day right on the nose. Missing that critical day, farm experts say, can result in a reduction in yield from 0.3% for corn, wheat, soybeans and cotton, up to 0.8% for peanuts. Delays can cost you $100 an hour.

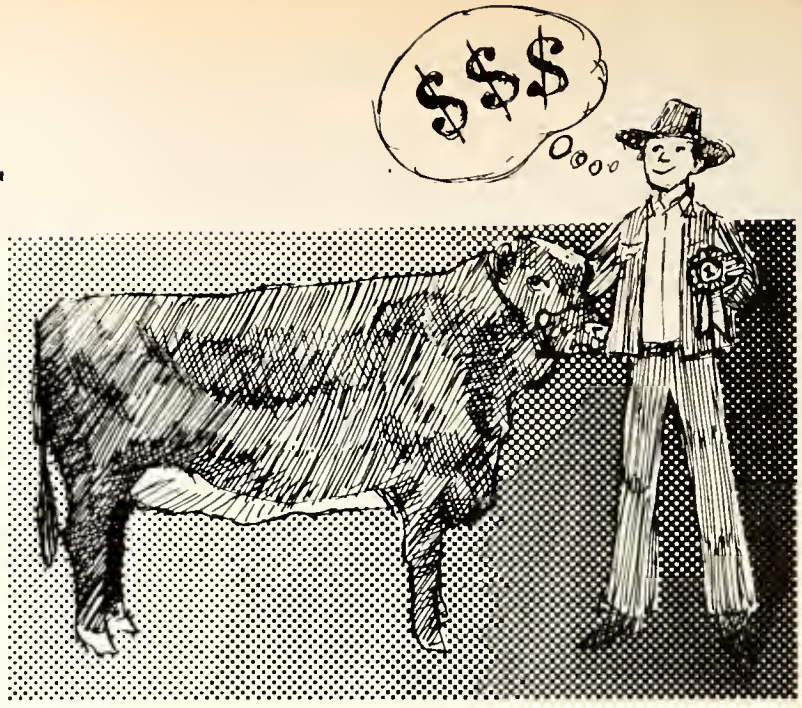
See your local Firestone man. He'll back up our claims with all the facts and figures you want. And he'll back up our tires with all the service you want.

Prove to yourself how you can get more out of every hour and every acre with Firestone 23° tractor tires.

Firestone
23° TRACTOR TIRES

Field & Road.™ Deep Tread. All Traction Field & Road.™ Heavy Duty Field & Road.™

Are Junior Market Livestock Shows Outdated?



Here is one opinion—see if you agree.

By Marvin W. Heeney

WHAT is the real purpose of our junior market livestock shows and what does the future hold for them? Should there be a serious evaluation as to the value of market shows as an educational tool? Let's discuss the livestock show and resulting sale by first looking at the history and then giving some thought to the future.

The livestock show was first developed as a stage for livestock raisers to compare their breeding and feeding efforts with those of their friends and neighbors. Later on it became known as an event where experts in the field could gather and observe the judge making placings in the show ring that would ultimately establish the standard or type of livestock that would be selected to form the foundation breeding stock for that species. At this time visual appraisal was the basic means of livestock evaluation and marketing. Thus, as the show ring determined so followed the industry.

In time the FFA and 4-H programs were established. These two educational arms were set up to teach youth about agriculture. The educational goals of the livestock project were several fold:

1. To learn and understand sound livestock production and management practices, and to experience their use through owning and caring for livestock and maintaining records.

2. To provide an insight into the business ethics and principles of purchasing, marketing, record keeping and financing.

3. To develop management and planning skills.

4. To develop integrity, sportsmanship, cooperation with others, decision-making, and learn to speak in public through participation in livestock shows, demonstrations, judging events, tours and organizational meeting.

5. Through all these experiences the youngster would cultivate an appreciation of the livestock-meat industry under practical conditions and thus understand its role in the agricultural and commercial economy of his area, state, and country.

As the projects developed the show ring became the highlight of the project year. It was a place where youth could take their animal or animals and have them evaluated alongside of their fellow class or club mates.

Then along came the junior market livestock sale. The sale was started primarily as a means of marketing the junior sale animals. Initially, show officials felt that youngsters would face a financial hardship if they had to take one or two show animals to the normal commercial outlets. Also, the sale was started to provide an incentive to the youngsters to participate and strive for improved production.

But the junior livestock sale has surpassed its good intentions. Many showmen do not enroll in a project for the educational benefits but have only the sale in mind as the sole purpose of owning the animal. Because of the money involved the youngsters are influenced unduly by parents and leaders alike. The pressure on the youngster to win becomes tremendous. The first question after the on-foot champion has been picked is usually, "How much do you think he'll bring in the sale?" The news media plays right into the hands of this sale also. The champion gets page one along with the price it brings. As soon as the show and sale is over everybody starts thinking about where they are going to buy their animal that will win next year. And when feeder livestock sales are held the better animals are bid way beyond the commercial price that they should bring because the thought of that inflated sale price next year at the fair paints an artificial picture for them.

What should be done? Should we perpetuate this artificial look at agriculture just because we can say "at least something was learned from owning the animal?" Do the "right" things a student learned outweigh the wrong or distorted things? Can't we have the show and still provide a meaningful and educational experience. I believe we can make it a profitable experience even at commercial prices if we start on that level.

In order to do this I propose the following changes; eliminate the on-foot

(Continued on Page 66)

Just about everything we teach you in the Air Force is going to be helpful to you in civilian life. As a matter of fact, Air Force training and experience are two of the best references you can have.

If you can learn to be a mechanic in the Air Force, you can be one anywhere. And that holds true for almost any field of work we teach you... electronics, avionics, communications. We'd like you to make a career out of the Air Force, but if you leave us you can be secure in knowing you'll be leaving in better shape than when you came in.

The Air Force offers you accredited technical courses as well as off-duty college opportunities. Through the Community College of the Air Force, you can work towards a Career Education Certificate... a valuable document both in and out of the Air Force. And the Air Force pays up to 75% of your tuition costs for off-duty classes. A transcript of your progress is also available for potential civilian employers or college registrars.

But there's more to the Air Force than training and education. You get a 30-day paid vacation every year... starting your first year. There's expert medical and dental care. Housing, food and clothing. Plus great travel benefits.

If you are between the ages of 17-27, and believe you could meet our mental and physical standards, contact your local Air Force Recruiter. For his location call 800-447-4700, toll free. In Illinois call 800-322-4400. Or send in the coupon.

Air Force Opportunities
P.O. Box AF
Peoria, Ill. 61614

1-NF-105

Yes, I'm interested in Air Force opportunities. I understand there is no obligation.

Name_____ Sex (M) ☐ (F) ☐
(Please Print)

Address_____

City_____ State_____

Zip_____ Phone_____ Soc. Sec. #_____

High School Name_____ Date of Birth_____

Date of Graduation_____

Look up. Be looked up to.

Air Force

A New Breed in Cattle Country

Big Sky country is spawning a new breed of cattlemen who combine innovative management with age-old practices. And make it work.

Agri-Emphasis: Livestock

The deserted blacktop stretches out ahead. Measured only by the early morning shadows, the asphalt flows eastward toward the faint orange promise of another sunrise.

At length the highway whine of a four wheel drive pickup stirs the stillness. And in that instant, a sleepless coyote, his nocturnal wanderings over for the day, scurries back to his den.

Taylor Brown is headed for work. For thirty eight days now he's started his morning at 4:30—getting the jump on a long day. Forty five days is the special number. It marks the end of the artificial insemination (AI) breeding season. During that span of time 560 high quality exotic cows will be bred artificially with mail order semen from purebred bulls.

Taylor runs the AI operation for the W. J. Brown and Son ranch owned in partnership by his father and grandfather. The ranch located in central Montana is dedicated to the production of beef cattle.

To see the cows which graze on the 6,000-acre pasture where Taylor has his AI setup is a subtle reminder of the grade herds of years ago, with seemingly indiscriminate markings and immeasurable variations. But assuredly they differ, especially in value.

Each of the Simmental, Murray Gray, Maine-Anjou, Limousin, and Chianina cows have been selected with care. The Browns know what they want —size, scale, well structured bones and the capacity for high meat production. And they especially look for femininity. "Femininity means higher milk production" Taylor says, "and an improved conception rate." Cows must produce every year. Not necessarily a big calf, but one that will gain quickly on his mother's milk. And the cows must prove their worth on paper according to production testing records.

Photos by author

A business meeting, cowboy style, is held in the Brown's open air office. Taylor listens to advice from his father Bill and FFA Advisor Jim Schultz (far right).

By Gary Bye

Taylor knows cows. The college freshman from Central Montana is a 1974 national winner of the FFA Beef Proficiency Award sponsored by the Nasco and Sperry New Holland Companies. He's now studying animal production at Montana State University where he's a member of the student senate and the collegiate FFA. He's part of the reason for the new breeds on the ranch. Fifty of the exotics are his.

Exotic cattle are something relatively new to the state of Montana. The Browns were pioneers in their acceptance of the new foreign breeds as a realistic means for herd improvement. But then the Brown family has always been at the front of the herd in the livestock business.

Taylor's great, great grandfather rode with trail herds into Montana. And Taylor's grandfather who still manages their purebred Hereford herd has been ranching since he was thirteen. At that boyhood age, he worked a herd up from Texas to Wyoming. He liked it there and stayed.

When the ranch he lived on for a half century became too small for he and his partner's expanding operation he decided to do something about it. A price was negotiated. A coin was flipped and the loser moved on. The Brown family moved to Montana.

But you could hardly call them the losers. The ranch is a good provider. The exotics are a small segment of the total operation. Sharing the wealth of good grazing are a purebred herd of Herefords, numbering 300 and a few grade cows, maybe 1,400 or 1,500.

Most striking about the whole operation is the mixture of old with new. "Cattle raising hasn't changed a great deal out here in 100 years," says Taylor. "Everything we do is still done entirely by horse back."

Yet things have changed. The use of exotics was unheard of a few years ago. Artificial insemination is another innovation. And this year four calves were born through a new technique known as ovary transfer, whereby a quality cow is operated on, and the fertile eggs she has produced are implanted in host cows. That's hardly straight out of the old west.

But from the surface the ranch could be out of a TV western. Forty-five horses are used throughout the year. Each operation is handled right on the range. Portable pens are set up in a few hours for branding, weaning and holding the cows for artificial insemination. Cowboys ride herd on the animals during rough weather and for the more

(Continued on page 42)

To keep track of the cattle on the 86 thousand acre ranch, Taylor says that most of the work is done from horseback.

State and chapter officers receive a warm welcome to Washington, from government leaders as demonstrated by FFA state presidents' visit to White House.

The Washington

Leadership Conferences

THE FFA Conference Program held this summer in Washington, D.C., offered seven week-long conference sessions to chapter and state officers from almost every state in the union. Each session attracted approximately 100 participating officers selected from their chapter or state officer team.

Those attending were treated to a week full of activities led by an enthusiastic conference staff. Heading the staff was former National Officer and now FFA Foundation staff member, Dennis Sargeant who calls the program "one of the most exciting dynamic leadership experiences offered by the FFA Organization."

Each week-long conference is packed with valuable lessons in leadership training, inspiring discussions with National FFA Officers and staff, tours to famous points of interest in and around the D.C. area, and personal visits with government leaders.

A climax to these summer sessions is the State Presidents' Conference, held this year July 20-25. Seventy-eight state officers attended the conference sponsored by the General Motors Corporation.

Highlighting the presidents' Summer Conference was a visit to the White House where they were personally greeted by President Gerald R. Ford in

—a program to instill personal pride, motivation, and outlook which make the difference.

the Rose Garden. After a brief presentation the President invited the officers to tour the official residence.

"Agriculture is vitally important to the future of America," said the President, expressing his belief that the nation's strength in agriculture can help resolve many of our international difficulties.

"I believe young people like you are the real hope for the America we want now and in the future," he said, encouraging the officers to take an active role in government in the future. "I hope that while you are here you will get an inspiration to be part of government," he said. "We need the kind of leadership in government that each of you can give."

Later in the week the state presidents visited the United States Department of Agriculture for a meeting with Secretary of Agriculture Earl Butz. The Secretary urged the FFA leaders to gain a better understanding of the economics of agriculture and the free enterprise system. "We have a system that really works," said Butz of the U.S. system of family owned and operated farms, "and I belive in the kind of people you are who are going to be out there working on these farms. I have no fear about the American farm continuing to be the breadbasket of the world," he continued.

The meeting with Secretary Butz followed a breakfast on Capitol Hill honoring congressmen and senators. One hundred and thirty-two congressmen and senators attended the breakfast and many more were represented by staff members. The breakfast, now in its eighth year, is an opportunity for state officers to visit informally with their elected representatives and is a chance for congressional leaders to discuss government with young leaders of the future.

In a brief address to the 350 FFA and government leaders, Thomas A. Murphy, Chairman, General Motors, congratulated the state officers for taking the opportunity to come to Washington to see their government at work. "We at General Motors haven't been disappointed in the investment we made in the FFA," Murphy asserted. "Your organization has grown in size and influence with ties in many countries. As a result, a whole new generation of young people have moved onto the land and into other related agricultural occu-

pations to help make U. S. agriculture the most advanced in the world."

In preparing for the congressional visits with their own senators and congressmen, state officers spent a day in conference sessions designed to increase their knowledge of agricultural and educational issues currently under discussion. A panel of representatives from four major agricultural organizations, the American Farm Bureau, the National Farmers Union, the National Farmers Organization, and the National Grange, discussed "The National and Worldwide Needs for Agricultural Leadership."

The state officers also enjoyed a "night on the town" as they joined hundreds of Washingtonians at the Kennedy Center for a performance of Thornton Wilder's play "Skin of Our Teeth." For most, it was a unique opportunity to share in the rich cultural heritage of the nation's capital and a change of pace from concentration on FFA and agricultural issues.

The final day of the action-packed week, began with a leadership workshop conducted by the six National Officers. At noon the officers boarded the buses for a short journey to the Arlington National Cemetery where they conducted a wreath placing ceremony at the Tomb of the Unknown Soldiers. The afternoon was open for visits to many of the historic sites, scenic monuments and museums in Washington, D.C.

According to Conference Chairman Sargeant, "The goal of the conference program is to instill within each individual FFA member a personal pride, motivation, and outlook that makes a difference." The officers that attend seem to agree that the goal is a real one. If you are a state or chapter officer, why not ask your advisor for information regarding the 1976 Bicentennial Washington Conference Program. It could be "Your Week of Opportunity."

Tennessee summer conference delegates meet their congressman on Capitol Hill.

What FFA Leaders Think About . . .

THE chance to poll such a large group of FFA leaders representing a cross section of FFA members across the country was too goud to pass up, so we sat down with 310 of the officers attending the Washington Conference Program and came up with some interesting reactions. Some bore out our expectations while others weren't quite so predictable. What follows is a thumbnail sketch of our typical FFA leaders and how they feel about FFA, agriculture and themselves.

Profile

1. Their average age was 16.49 years.
2. And 80% were young men.
3. 127 chapter and state presidents were represented along with 82 vice-presidents.
4. A whopping 39% raised cattle for their supervised experience projects, 19% opted for swine projects, 17% raised crops, 12% were involved in agribusiness situations, and 8% had some type of horticulture project.
5. Their future occupational plans were almost split in half; 48% choosing to be full time farmers or ranchers and 45% electing to go into an agribusiness profession. (6% planned on choosing a completely non-agricultural job.)
6. Following graduation, 82% said they planned to return to their home town area. In line with this thinking, 79% thought there were adequate occupational opportunities for themselves and their high school classmates in their home area.
7. Those from farms noted their main crops as corn (43%), hay (12%), soybeans (9%), and wheat (7%). 64% of those polled said they played a major role in their family farming operation.
8. Only 6% of the FFA members belonged to another high school vocational club, while half (50%) said they had or still belonged to a 4-H club. The average 4-H membership was 4.7 years.
9. Almost half (44%) of our surveyees said they planned to attend a four-year college after high school. 23% wanted a two-year or vo-tech school degree and a fourth of them were as yet undecided. The remainder sought no further education.

FFA Experience

(More than one answer could be selected.)

1. Asked why they enrolled in FFA, a large number of those surveyed (71%) said they wanted the education, over half noted that leadership training (64%) and fun (52%) were factors. Competition (43%) and travel (39%) were other major reasons given.
2. The biggest benefit most could see in their FFA experience was the training for an occupation (64%) while making friends captured many votes (26%).
3. According to these members the biggest drawback to being in FFA is the competition for time with other activities (65% noted this to be a problem). Some others worried about the farmer image (14%) and 8% said there weren't enough rewards for the time.
4. How did FFA make them better individuals? More leadership ability was the top choice with 75%. Others were: being able to meet people (70%), more confidence (68%), more competitive (44%), more patriotic (33%), and more knowledge about agriculture (29%).
5. 82% said being in FFA made them more respected in school and 91% said the FFA organization is respected in their community.
6. The major strengths of the FFA were noted by the following percentages: Good advisors (37%), proper image (31%), award competition (25%), past tradition (22%), and the need for trained agricultural workers (16%).
7. A number of reasons for the recent growth in FFA were listed—the students responding with the following. The improving image for the FFA (43%), expanding agribusiness programs (35%), allowing girls in the FFA (32%), expanding urban programs (20%), the improved farming economy (17%), and expanding horticulture programs (16%). 13% said the growth reflected a shift in social values.

FFA Programs

1. A majority of the surveyed said they thought FFA should be allowed in junior highs. 55% said yes with certain restrictions, and 17% said yes with no restrictions. But 26% said no way.
2. The officers weren't exactly homebodies. 69% said yes, they would be interested in the FFA Work Experience Abroad program.
3. And 93% said they planned to join an FFA Alumni Affiliate after graduation.
4. The majority (79%) thought that their FFA vo-ag experience would play a major role in their career choice, while 15% said it had a minor role and 4% said it had little influence.
5. The major obstacle identified in building and maintaining a strong FFA chapter was lack of member participation (75%). 27% said competition for school time with sports and other clubs was a problem. And 10% noted both lack of members and lack of teacher and administration support as obstacles.
6. What percent of FFA members take their participation seriously? Between 40%-50% said the respondents.

The Officers and Agriculture

1. Does a person from a non-farm background stand a chance of becoming a farmer? 40% said the chances are fair, 35% said slim, 21% said good and 2% gave them no chance.
2. But for a career in agriculture? The goods jumped to 71%, while fair chances got 22%, and slim got 5%.
3. Three-fourths of those polled said small towns offer advantages while 55% said there were also some disadvantages.
4. A large number (88%) thought the image of the American farmer was improving while 12% had an opposite opinion and thought the farmer's image was declining.
5. Over half of those counted said they attended church regularly, while 5% said they never attended.
6. The members were split on patriotism, 28% thinking their generation was more patriotic than previous generations, whereas 35% said they were less patriotic and 36% thought that patriotism had remained at about the same level.
7. In regard to their values, the FFA members held themselves to be more conservative (49%) than their non-FFA classmates. 22% thought FFA'ers more liberal and 28% thought there was actually no difference in values.
8. The final question dealt with the worries that young people face. First on the list was making a living (41%), followed by getting an education (25%) and getting married (15%). Only 4% worried about military obligations. Several members said they had no worries.

The Best of the Blue and Gold

These eight American Farmers are an elite group—holders of FFA's highest degree which recognizes achievements in production agriculture and agribusiness. From this group will come the Star Farmer and Agribusinessman of America.

The Star Farmers of America

Michael Vaughn
Southern Region, Tennessee
Warren County FFA Chapter

Roy Mitchell
Eastern Region, North Carolina
Surry Central FFA Chapter

Richard C. Lapp
Western Region, Colorado
Fort Morgan FFA Chapter

Daniel Worcester
Central Region, Kansas
Hill City FFA Chapter

WESTERN REGION

There is a great challenge in feeding the rapidly growing world population and Richard Lapp wants to do his part to help meet the challenge. In recognition of his achievements in establishing himself as a successful crop and dairy farmer, 21-year-old Lapp of Eckley, Colorado, was recently named the Western Region Star American Farmer. Lapp is the son of Mr. and Mrs. John Lapp and is a member of the Fort Morgan FFA Chapter in Fort Morgan, Colorado. His FFA advisor is Donald Cockroft.

Lapp's supervised agriculture experience program has been part of a family farming operation that includes his father and brother Jim. He had his first experience in farm management shortly after he enrolled in vocational agriculture. At that time his father decided to move to Yuma, Colorado, to expand his sugar beet operation. Realizing Richard's desire to get into farming on his own, he turned the farm operation at Fort Morgan over to Richard and his brother. Richard eagerly accepted the challenge of managing the 350 acres of sugar beets, 300 acres of corn and a 90-cow dairy operation.

This year Richard and his brother formed a partnership to purchase 480 acres and to farm additional acreage they will rent from their father. The land includes three circle irrigation systems, a modern house and a large steel building. All told Richard's farming program during the 1974-75 season totals nearly 2,000 acres including the

Ordel A. Stinson
Central Region, Iowa
Crestwood FFA Chapter

Bryce E. Westlake
Western Region, Wyoming
Wind River FFA Chapter

Phil Redditt
Southern Region, Florida
Orlando-Colonial FFA Chapter

Joseph T. Mrugala
Eastern Region, New York
Springfield FFA Chapter

480 acres owned in partnership, 420 rented, and 1,100 which his father owns.

CENTRAL REGION

It takes determination, financial backing and a great deal of technical skill and knowledge to get into the business of farming today. Dan Worcester of Hill City, Kansas, the Central Region Star Farmer of America, has put it all together to establish himself in a successful farming operation that includes an expanding beef herd, and irrigated and dryland crop farming.

The son of Mr. and Mrs. Eugene Worcester, Dan started in the beef business in 1969 when he was a freshman

(Continued on Page 34)

The Star Agribusinessmen of America

SOUTHERN REGION

Building equity in the family owned and operated custom meat cutting operation is the goal of Phil Redditt of Orlando, Florida, the recently named Southern Region Star Agribusinessman. One of seven children of Mr. and Mrs. B. W. Redditt, Phil set his career goal while he was enrolled in vocational agriculture at Colonial High School in Orlando.

Redditt began his supervised experience program in vocational agriculture in 1968 when he started working in the family meat packing business. "I started as a wrapper," says Redditt. But soon Redditt was working elsewhere in the plant as a meat cutter and at other jobs.

Now nearly seven years since he began his training program Redditt has experience and skill in all phases of the meats operation. His main responsibilities now include handling retail sales, ordering supplies of boxes, seasoning, cleaning, and wrapping materials and doing light maintenance on machinery and equipment.

Since his employment at Redditt's Custom Meats, the business has continued to grow. He has added several innovations to the business such as increasing profits by selling meat by-products as pet food. Slaughter has been expanded from one to three days a week and machinery is now on a regular maintenance schedule.

For the future Redditt plans to continue working toward a full partnership in the custom meats business. He hopes to enroll in college as a part-time student toward a degree in animal science with a specialization in meats.

CENTRAL REGION

Hard worker, good manager, responsible—that's how friends and associates describe 21-year-old Ordel Stinson, this year's Central Region Star Agribusinessman from Cresco, Iowa. The son of Mr. and Mrs. Arnold Stinson, Ordel is preparing himself for a career as an elevator manager.

Realizing that farming was out of the question because of back problems that developed his junior year and the difficulties of getting into farming today, Ordel decided to look into the opportunities in agribusiness. With the help of his vocational agriculture instructor and FFA Advisor Glen Dillon, Ordel was placed in a local grain elevator for experience. Following high school graduation Ordel enrolled in the Area I Vocational Technical School where he earned a two-year post graduate certificate in agribusiness. The training included work experience at three elevators in the area, all of which Stinson found were excellent training grounds.

On graduation Ordel was offered good positions at all three elevators and had to make a difficult decision. He decided that the best opportunity for advancement was with the Huntting Elevator in Cresco. He accepted the position as assistant manager and has been there since 1974.

Now in his second year at Huntting Elevator, Ordel is skilled at handling nearly every phase of the operation from keeping record books to blending fertilizer, cleaning seed, applying fertilizer and herbicide and handling the payroll.

(Continued on Page 34)

Star Farmers

(Continued from Page 33)

in vocational agriculture. At that time he purchased 10 cows at an auction.

"I have expanded my cattle operation each year," says Worcester, explaining today he has a herd of 70 brood cows that run on 160 acres of rented pasture and 155 acres of his own pasture land. In addition they get stover from his 260 acres of irrigated corn.

An innovative farmer Worcester is always among the first in the community to try new ideas. "He was the first in the community to use low pressure sprinkler nozzles on his irrigation system to cut the power needed for pumping," says his vocational agriculture teacher and chapter Advisor Joe Farrell. "He was also the first to seed wheat by plane in irrigated corn."

In 1974 Worcester took a big step toward assuring his future in agriculture by purchasing 320 acres of good farmland near his home. In addition to his own farm, Worcester is renting 480 acres this year.

SOUTHERN REGION

Michael Vaughn, the 21-year-old Southern Region Star American Farmer operates a successful nursery business in Smithville, Tennessee. The son of Mr. and Mrs. Gene Vaughn, Michael's goal is to continue expanding his wholesale and retail nursery operation and add a landscape design service as well.

When Michael enrolled in vocational agriculture as a freshman, his supervised experience program under vocational agriculture instructor Russell Watson involved less than 6,000 peach, dogwood and apple trees. But expansion has been the watchword for Vaughn, and he's made rapid progress toward enlarging the operation. In 1974 Vaughn's records showed that the business had an inventory of 250,000 peach trees, 30,000 crab apples, 60,000 fruiting apples, 8,000 pear trees, 7,000 cherry trees, 50,000 dogwood trees, and 1,000 maple trees.

In the early years of his ornamental business Vaughn did his own budding and grafting. However as the operation expanded he began contracting labor which, under his supervision, does most of the time-consuming grafting. To maintain the several acres of ornamental plants Vaughn also owns several pieces of machinery which he has purchased from the earnings of his horticulture enterprises.

Since graduation from high school, Michael has been enrolled at the University of Tennessee, majoring in ornamental horticulture and landscape design.

EASTERN REGION

Roy Mitchell of Elkin, North Carolina, milks 120 cows twice a day in a modern automated milking parlor. But it wasn't always that easy. In fact, Mitchell, the 21-year-old Eastern Region Star American Farmer can remember milking by hand before his family installed a small milking parlor and milking machines in the early '60s.

The son of Mr. and Mrs. Jacob Mitchell, Roy is now on his way to becoming firmly established in the dairy business. In 1965 Mitchell, who was just beginning his high school vocational agriculture program, convinced his father that they should expand the dairy operation.

"I suggested that we build a new milking parlor and better facilities," recalls Mitchell, "so in the summer of 1968 we purchased a small piece of land across the road, built a new double four milking parlor and put in a stainless steel bulk milk tank."

With the advice and assistance of his vocational agriculture instructor S. T. Briggs, Mitchell has gradually increased the size of the milking herd from 25 head as a freshman to 55 head as a sophomore and now it is up to 120. The big increase in the milking herd came in 1972 when Roy graduated from high school determined to go into dairy farming on a full-time basis. He entered into a partnership agreement with his father and bought out two small dairies. The farm expansion nearly doubled the herd size and made it necessary for Mitchell to purchase a 1,300 gallon bulk milk tank to handle the increased volume of milk.

Star Agribusinessmen

(Continued from Page 33)

EASTERN REGION

There has never been much question in Joe Mrugala's mind that one day he would be employed in the dairy processing business. As long as he can remember the recently named Star Agribusinessman of the Eastern Region has been spending his spare time working and learning at Charlap's Dairy Farms, Inc. Now as a full-time Charlap employee, Joe is looking forward to taking on increased responsibility in the dairy processing business.

The son of Mr. and Mrs. Leo Mrugala, of Springville, New York, Joe took an early interest in the dairy business, riding with his father on a home delivery milk route. In 1960 his father and a cousin bought out the milk processing plant. As Joe grew older and was able to take on more responsibility he became a regular worker at the milk plant.

Under the direction of his vocational agriculture instructor and FFA Advisor Charles Couture, Joe expanded his knowledge of agriculture and business practices through his class work and work experience.

Following graduation from high school, Mrugala attended Alfred State Agricultural and Technical College where he majored in animal husbandry graduating with an associate degree. Summer vacations from college were spent at the dairy plant learning to operate the processing machinery.

Now out of school, Mrugala is concentrating his full efforts on his job at the dairy. Charlap's Dairy Farms operates an extensive network of vending machines as an outlet for the milk and Joe has a vending machine route with responsibility for restocking milk and making sure the machines are in proper working order.

WESTERN REGION

Bryce Westlake of Kinnear, Wyoming, has combined a successful beef feeding operation and employment in the family meat packing business to earn the Western Region Star Agribusinessman award. Nineteen-year-old Westlake is the son of Mr. and Mrs. Floyd R. Westlake.

Bryce got off to an early start in the meat packing business working in the family owned and operated Farmers Packing Company.

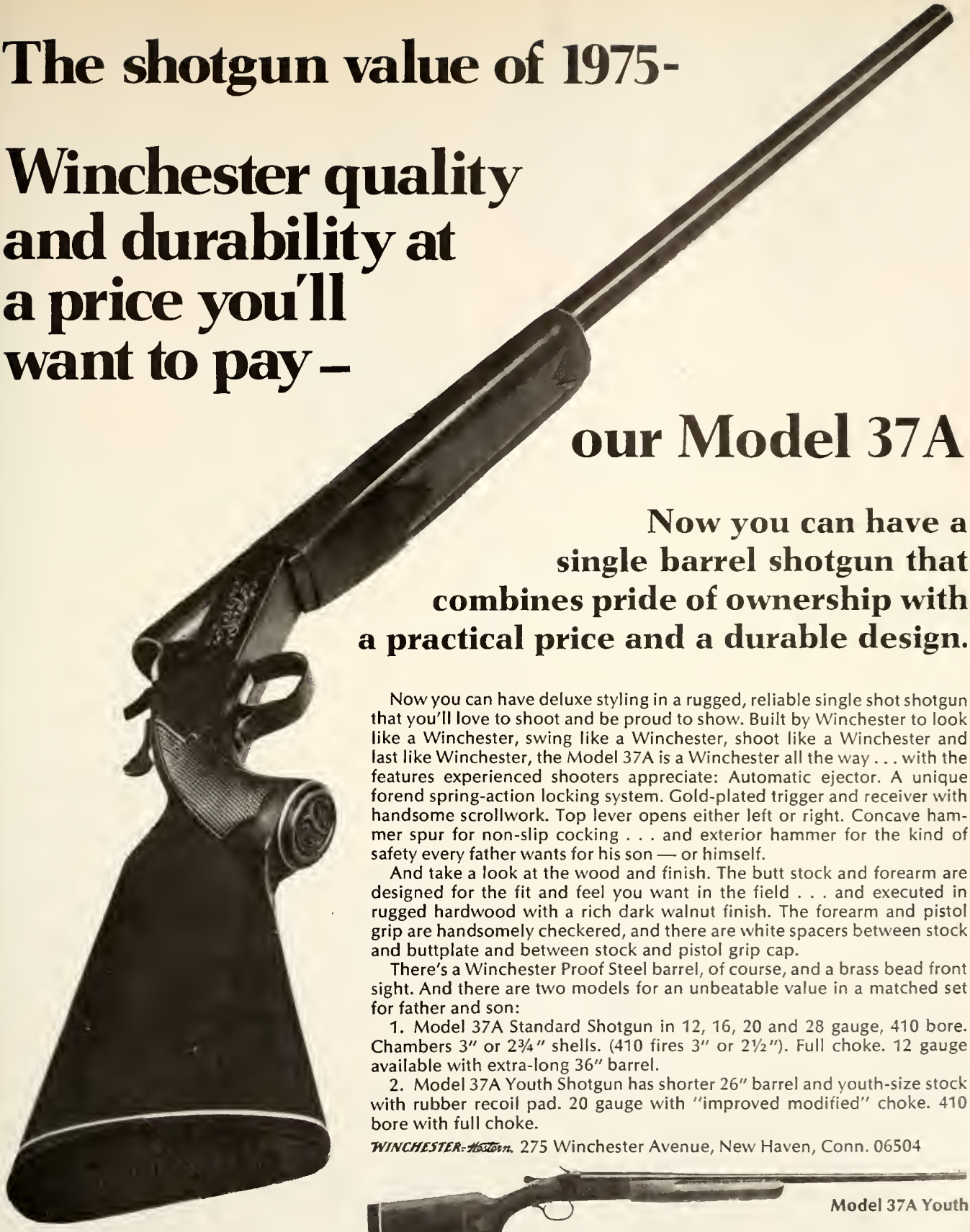
When he enrolled in vocational agriculture and the FFA at Wind River High School, Bryce had a good background in the meat packing business. As part of his supervised experience program in vocational agriculture however, Westlake began raising beef and swine using his family's farm in return for labor at the meat plant. Under the guidance of FFA Advisor Terry Slack, he expanded from one brood cow, three sows and 44 feeder pigs to this year's 14 brood cows, 200 feeder pigs, 65 steers and 2 feeder lambs. All the livestock is slaughtered and sold through the packing plant and Westlake credits the feedlot operation with helping the growth of the packing plant business in recent years. For the future he hopes to further expand his feedlot operations to meet the demand from urban customers.

As the meat packing business has grown the Westlakes have continually upgraded equipment to make the business more efficient and to comply with federal standards. The operation currently serves approximately 1,200 customers throughout the state of Wyoming and into several neighboring states.

The shotgun value of 1975-

Winchester quality and durability at a price you'll want to pay –

our Model 37A



Now you can have a single barrel shotgun that combines pride of ownership with a practical price and a durable design.

Now you can have deluxe styling in a rugged, reliable single shot shotgun that you'll love to shoot and be proud to show. Built by Winchester to look like a Winchester, swing like a Winchester, shoot like a Winchester and last like Winchester, the Model 37A is a Winchester all the way . . . with the features experienced shooters appreciate: Automatic ejector. A unique forend spring-action locking system. Gold-plated trigger and receiver with handsome scrollwork. Top lever opens either left or right. Concave hammer spur for non-slip cocking . . . and exterior hammer for the kind of safety every father wants for his son — or himself.

And take a look at the wood and finish. The butt stock and forearm are designed for the fit and feel you want in the field . . . and executed in rugged hardwood with a rich dark walnut finish. The forearm and pistol grip are handsomely checkered, and there are white spacers between stock and buttplate and between stock and pistol grip cap.

There's a Winchester Proof Steel barrel, of course, and a brass bead front sight. And there are two models for an unbeatable value in a matched set for father and son:

1. Model 37A Standard Shotgun in 12, 16, 20 and 28 gauge, 410 bore. Chambers 3" or 2¾" shells. (410 fires 3" or 2½"). Full choke. 12 gauge available with extra-long 36" barrel.

2. Model 37A Youth Shotgun has shorter 26" barrel and youth-size stock with rubber recoil pad. 20 gauge with "improved modified" choke. 410 bore with full choke.

WINCHESTER-Western. 275 Winchester Avenue, New Haven, Conn. 06504

Model 37A Youth

winchester the way you want it

The IH comfort cab.

It keeps you at your working best.

Long hours in the field are tough no matter what kind of cab you're working in. International Harvester keeps your best interests in mind, beginning with our step-saving, two-door cabs. (Instead of a single door made by many companies).

And it's built plenty roomy so you can get out the side you want to get out. Our concern for your comfort carries over into these other good things we build into our cabs. 40-sq. ft. tinted glass area, for eye-easing, all-around visibility. Clean, walkthrough operator's deck, with handy fingertip controls. Grouped, glare-free instrument panel.

Isomount™ isolators on all mounting points. Eliminates metal-to-metal contact. Absorbs vibrations from all directions.

Internation

Air conditioning and heater to let you extend working hours and seasons with less climatic fatigue. Pressurized air system supplies fresh, filtered air to cab.

6-way seating comfort. Adjusts to meet your personal preference.

Hydrostatic power steering works even when the engine's not running. Roll-over safety frame. Optional items include: 5-direction tilt steering wheel, AM or AM/FM radio or 8-track stereo, air conditioning on the 966. Cab optional on 766.

INTERNATIONAL HARVESTER

l Harvester

We build better machines for the business of farming

"Pick-Your-Own" Profits

When Butler's Orchard couldn't hire enough laborers to pick the crop they opened their gate to the public. This year business was booming.

FOOD prices are high. People are staying closer to home due to the gasoline squeeze. And there is a widespread desire to get back to nature. When you put that all together, you've spelled success for roadside fruit stands —especially the pick-your-own variety.

Sue Butler, chapter president of the Damascus, Maryland, FFA Chapter helps run their family market which she says was started in 1950. "We began by growing peaches, but they were a problem. We couldn't get a crop because of frost and we couldn't get the labor we needed for picking."

Working from advice by the University of Maryland where two of the sons are now majoring in horticulture, the Butlers worked their way gradually in the strawberry business and set up a roadside stand.

"Now our season opens with strawberries in June and ends with apples at Thanksgiving," remarks Sue. "The strawberry season is the most hectic," she says. "We have 26 acres of pick-your-own and business was so good this year the cars were lined up in the parking lot."

After the strawberry season there are also seasons for black raspberries, string beans, peas, pumpkins, apples, and for the first time this year pick-your-own sweet corn. Over 90 percent of their entire crop is picked by the travelling customers.

"A lot of our customers come back year after year," says Sue. "It's a good chance for families to get out and work together for clean recreation. They get the fresh produce they want and also get some real bargains."

Sue's college age brothers have brought home some new ideas of their own for the market. Using their horticulture training they had constructed a 50-foot plastic greenhouse where house plants and flowers are grown for sale at the stand.

Sue works into all segments of the operation—stocking shelves, grading the product, keeping label records, and recording sales. She also does some field work such as cultivating and planting. "Sometimes the field work is easier than working in the stand," she says, "like when someone sees out of season produce at their local supermarket and thinks we should have it too."

But working with people is a big part of the operation and Sue says her organizational work and public speaking in FFA have been good training. She's held three chapter offices in FFA and will enter her fourth year in public speaking this year. She's also served as high school student union president, vice president and secretary.

Why we honor people for their individual accomplishments in and out of our business

Ours is a people business. It's helping keep *people* supplied with nourishing meat, milk and eggs.

It's to *people* that we offer our products and know-how: Farmers, ranchers and feeders.

As a manufacturer of concentrated livestock feeds, mineral supplements, parasite-control products and livestock equipment, MoorMan's has a big stake in the future of animal agriculture.

That future depends on *people*.

And in our business, we depend on capable, dedicated *people* to do our jobs well:

- Research scientists and technicians who formulate our feed products, test and prove them. And those in quality control.
- Specialists in purchasing, manufacturing, transportation, accounting, marketing, etc.
- Designers, engineers and craftsmen who produce our livestock equipment.
- More than 2,500 MoorMan Men who call *direct* on livestock producers with on-the-spot feed counseling.

Because we realize the importance of *people*, we like to encourage individual initiative and good work—recognizing jobs well done—*outside* our company as well as in it.

MoorMan's®

Since 1958, the Moorman Manufacturing Company has made annual contributions to the National FFA Foundation—to help recognize and reward outstanding FFA members at chapter, state, regional and national levels.

Since 1960, the Moorman Manufacturing Company has offered scholarships to agricultural college students and, in 1975-76, at these 25 universities:

Auburn University
Colorado State University
University of Florida
University of Georgia
University of Illinois
Iowa State University
Kansas State University
University of Kentucky
Lincoln University
Louisiana State University
Michigan State University
University of Minnesota
Mississippi State University
University of Missouri
Montana State University
University of Nebraska
North Carolina State University
Ohio State University
Oklahoma State University
Purdue University
South Dakota State University
Southern Illinois University
University of Tennessee
Texas A&M University
University of Wisconsin

CB's

For field work or fun this modern management tool is finding its way to the farm.

Mike Davis, State FFA Secretary from Mississippi, uses his base CB unit to contact members of their local Citizen Band radio club.

FARMER Smith swore at the broken axle. It was the middle of a hot afternoon and he was over five miles from the house. A walk would mean at least two hours down time at the most critical time of the season.

Sad story—except that Smith had a citizen band radio. A quick call and a repair truck was on its way.

Mike says mobile radio also makes possible communication from field to home.

Farmers and agriculturists have always been quick to adopt machines, equipment, or ideas that increase their management ability. In that realm few innovations have caught on quite as rapidly as the CB radio.

"One out of fifteen farm families now uses this modern two-way radio facility as compared to one out of twenty-eight for all American families," says Gerald Reese, spokesman for Citizens Radio Section of the Electronic Industries Association.

"Many farmers use two-way radios to communicate from their working equipment in the fields to the farm house; to other vehicles which may be performing hauling tasks and to coordinate with field work. This is particularly useful on the family farm where the scheduling of activities in the kitchen is as important as that in the field," Reese says.

Farm safety is another factor to consider. Reese suggests farmers make periodic check-ins, particularly anyone operating machinery or equipment. "A machine operator might find it difficult to hear radio transmissions over the machine noise, but at least if he checks in every hour or so, the person manning the base station knows he is alright—that an accident didn't happen. This is excellent procedure," he says.

"The citizen band radio is a party line," says Reese, "and the advantage for a family type farm is that you can use it for a recreational activity like hunting, fishing and camping as well. There is even the opportunity to equip a youngster with hand-talkies."

He continues, "The CB is a good way to keep in contact with your farm neighbors and the same equipment can be used for personal and safety communications on the highway."

Another aspect of the CB is the popularity of these relatively low cost radios with young people, inasmuch as the family license permits all members of the household regardless of age to operate the equipment as long as they are operating in accordance with radio regulations and under the control of the licensee. In regard to FFA use, Reese says it is possible for the chapter or the school to obtain their own license so they could all operate together.

One of the most famous uses for CB's is by the long haul truckers, in which one of five truckers is equipped. One out of seven recreational vehicles is so equipped as are one of 39 passenger cars, and three out of seven four-wheel drive vehicles. Radios in use total about 6¼ million.

The CB market continues to expand in the face of general adverse economic conditions. For the first time over 1,000,000 licenses were in effect as of January, 1975. As of July 31 there were 1,569,653 active licensees. This year to date, applications for licensing for 1975 are up 276 percent over the same date in 1974. Licensing increases follow a reduction in the license fee from $20.00 to $4.00. Providing another possible stimulant during 1975 is FCC's proposal to expand the number of channels from the current 23 to 70, which is currently pending.

The Citizens Radio Section of the Electronic Industry Association reports that a good quality CB radio, including antenna, ranges from $100.00 and up. You can equip both your car and home for about $250.00—a valuable investment in terms of safety and convenience. For further information contact Citizen Radio Information, Room 700, 21 East Hubbard Street, Chicago, Illinois 60611.

a better system to move freight

Santa Fe's PEOPLE SYSTEM

Operator at console of central unit which controls a multiprocessing system. Top photo shows part of Santa Fe's vast data equipment.

A data communication network for assembling huge volumes of information is a valuable asset for a railroad.

Santa Fe has one of the finest, but the key to its effectiveness is people.

People who design new ways to make the system work, and people with the "know-how" to use the facts developed.

Santa Fe people use our data communication network to more efficiently utilize our fleet of 73,000 freight cars. They produce better maintenance programs for Santa Fe's 1,800 diesels and 21,000 miles of track. All of this, plus providing the data needed for better management of Santa Fe's huge operations.

Customers have unrestricted access to our car location information, and there are other ways Santa Fe's People System can help you with freight transportation and industrial development plans.

Call or write today.

Information systems can be given many names to represent their operations like:

L O V E
(**L**ogical **O**utput **V**erified **E**fficiently)

H O M E
(**H**euristic **O**ptimize **M**ovement **E**valuation)

T O U R
(**T**otal **O**perating **U**tility **R**eports)

But a name does not give a system magical qualities. People are the key, and if Santa Fe was to name its information system, we would call it:

P E O P L E
(**P**urposeful **E**mployes **O**bjectively **P**ursuing **L**ogical **E**ndeavors)

The Atchison, Topeka and Santa Fe

A Santa Fe Industries Company

For freight information, call one of our 65 traffic centers coast-to-coast Honolulu, Mexico and Tokyo or write General Manager-Freight Traffic, 80 East Jackson Blvd., Chicago, Ill. 60604 Telephone (312) 427-4900

A New Breed In Cattle Country

(Continued from page 29)

valuable stock, someone is always on hand during calving. A ranch hand might play godfather to as many as 25 head of calves in one day.

The land itself is cattle country. Taylor says, "Eastern Montana will probably stay this way for a long time. Hundreds of settlers came here in the early 1800's. You can still see the abandoned homes and patterns in the soil where they tried to farm. But this country just won't support crops. It's too dry. The climate is such that cattle are the best producers. They can use this grass and there isn't another animal that can use it as efficiently."

"It's probably a fading type of life," he continues, "but it's sure enjoyable. You have to like this industry to be in it 'cause it's not a get-rich-quick scheme. If you don't like working with stock or working outdoors you can't do any good in it."

Ultimately Taylor and his father would like to narrow their exotic numbers down to the one or two breeds that adapt best to the dry country environment. "We're leaning toward the Simmentals right now," notes Taylor's father, "and we like the Maine-Anjou."

"Some of the other breeds we just haven't been completely satisfied with," adds Taylor. "Most of my own cows (he has 68 all told) are Simmental. "I really can't see the exotics ever fully

replacing the English breeds. It's just hard to beat that 200 years of establishment they have had."

"We'll always need the English as well as the exotics to get the good crosses that a lot of people are looking for. But we would like to develop a purebred herd of exotics. We might even get to the point where we would hold our own production sale, like we do with our Herefords," Taylor says thoughtfully, referring to their annual spring sale of 50 of their best two-year-old bulls.

Talking about cattle comes fairly easy to Taylor. His FFA speech on ovary transplants was good enough for a trip to Kansas City. He improved on his speaking ability serving as FFA state secretary for the Big Sky state last year. The leadership ability too, seems to run in the family. His father served as Wyoming's Vice President a decade or two before.

Excelling in FFA did mean a few sacrifices, according to Jim Schultz, FFA advisor from Lewistown, Montana. "Taylor had to drive 80 miles from home to Lewistown to attend a high school with a FFA chapter. That meant passing through two other towns to get here."

This November, Taylor will attend the FFA National Convention again, this time to receive his American Farmer Degree. That's a long way out of the saddle. But traveling from home isn't new. Taylor spent two months on a Belgium dairy farm just a summer ago with the American Field Youth Exchange Program. He was impressed with the orderliness of his host family's farm. They were astounded with the size, when he talked about his.

But now Belgium seemed years away. Today there were several hours of riding ahead to bring in cows that were "bulling." Then many more hours would be spent using the skills learned at AI school. And always there were the records to keep. Orange ear tags for the Simmental. Red for the Chianina. Blue for Maine-Anjou. And so on.

Finally Taylor, climbing back into the comfort of his new pickup, casts a final glance over the operation. The stock trailer from a past vo-ag shop project throws long fading shadows. Everything is in its place and the cows are wandering back out to the range.

At last he's headed home. And at 9:00 p.m. a lonely coyote rouses to watch two red dots fade slowly into the blackness.

Drug Warning

(Continued from Page 24)

What have been the results of previous testing?

Thankfully, illegal drug residue rates remain very low as reported by the national monitoring program. In 1973 only 2.4 percent of all the animals sampled contained violative drug residues. The following year the rate dropped to 1.9 percent. The 1974 data was made from 130,000 individual tissue assays for residues of drugs, pesticides and heavy metals. In two years, 1973-74, approximately 22,000 animals were sampled.

How does most of the drug misuse occur?

"In a large percentage of the cases where drug residues were identified, the producer is unaware of any misdeed on his part," says Sheeler. "Most violations occur because of lack of communications," he says. "For example a farmer who plans to ship some of his cattle for slaughter fails to check with his herdsman to see if any injectable drugs might have been given the day before."

"Another common occurrence is a producer's lack of knowledge about laws and regulations. Ignorance of the law, just as in civil cases, is no excuse. When a person is in a business, he should know the rules."

"You're gonna think I'm crazy, Al—but I just saw a bear wearing levis!"

What can you do to avoid unnecessary losses in money, time or reputation?

If all this makes you a bit apprehensive about using animal drugs, take heart in the fact that by using a few precautions you will usually forestall any unintentional wrongdoing.

Dr. Fred J. Kingma, Deputy Director for the FDA's Bureau of Veterinary Medicine stresses the importance of reading the directions before using any animal drug. "We use drug labeling to get the story across," he says. "We try to make the warnings simple, without getting fancy. It's important to read those warnings everytime you use an injectable drug or a feed with a drug additive. Drug labels do change," he warns.

Other precautions he suggests are observing withdrawal times listed on the

(Continued on Page 50)

Radiant Originals

Sold by more groups for more profits than any candle in money-earning history.

WORLD'S BEST $1.50 CANDLE VALUE

Radiant Originals candles
Sell for $1.50
Your cost $ .90
Your profit $ .60
Earn an easy extra **$.30** profit with *Decorator Holders*
Order half as many holders as candles
Your extra profit $.30 Sell for $.75, Your cost $.45

This Show-n-Sell caseful of elegant decorator candles makes selling fast, easy and profitable! Order one case for each active member.
(5 cases, 60 candles to a shipping carton).

4 DISTRIBUTION POINTS FOR FAST DELIVERY

HANOVER, PA.—CHICAGO—SAN FRANCISCO—HOUSTON.

Clip and mail today!

Radiant Originals have earned more money for more groups than any candles in history. You'll understand why when you see this superb collection of beautifully designed candles. Their extraordinary beauty is impossible to convey in words and pictures. Each is a fine example of old-fashioned craftsmanship and charm . . . in contemporary and traditional styles.

Discover the money-earning magic of candles and do as so many other groups have done by selecting the very finest $1.50 candles for your next campaign . . . Radiant Originals. Your customers will quickly recognize the outstanding value of these top quality, expensive-looking candles and select several for gift giving and personal use. More sales add up to more profits for you. Many groups have sold their entire initial order in less than a week and have reordered many times.

Radiant Originals were designed to be the "something different" your group is looking for. They are made from the finest wax and are a full six inches tall and two and one-quarter inches in diameter.

Mail to: **the J. H. Schuler Company 1649 Broadway, Hanover, PA 17331**

ORDER FORM For prompt shipment without error, fill in every blank. Please print carefully. Circle quantity desired or write in larger quantity.

Mr. Schuler: Please send without advance payment and on consignment for 60 days: 345

Radiant Originals candles	60 - - - 120 - - - 180 _____	Cost $.90	Sell $1.50
Decorator holders	36 - - - 72 - - - 108 _____	Cost $.45	Sell $ .75

Name _____ Position _____

Address _____

City, State, Zip _____

Area Code and Phone _____ Group Name _____

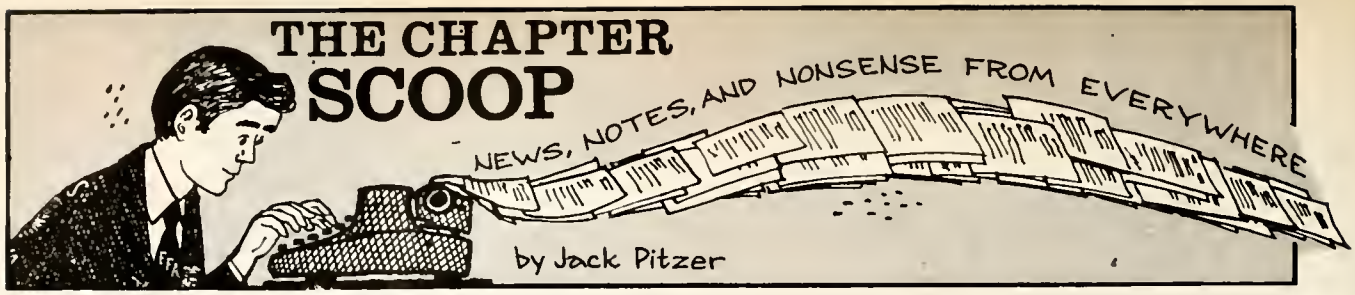
Sponsoring Institution _____ No. Active Members _____

Name of Another Adult Officer _____ Position _____

Address _____ Area Code and Phone _____

City, State, Zip _____

For fast, economical delivery, give (on separate paper) an in-town business address to which shipment can be made (store, office, school, church, etc.). This will save possible extra freight charges for home delivery. No shipment to P.O. Boxes.



Forest Lake and *Lyle*, Minnesota, chapters are renting garden spots to interested gardeners.

N-N-N

Colton, California, members bucked 1,800 bales of oat hay as a swap for a new shed on their farm.

N-N-N

Indian River FFA in New York state and *Clarinda*, Iowa, FFA exchanged members this summer.

N-N-N

A one acre pumpkin patch will supply pumpkins for *Fontana*, California's annual sale.

N-N-N

Fifteen members of *Central* FFA in Raymond, Nebraska, volunteered to direct traffic during the university's tractor field day.

N-N-N

Joan Bliven, reporter for *Ledyard*, Connecticut, wrote of first place finish in state talent contest. It was a radio station act.

N-N-N

One chapter in New Jersey has three new state officers, *Freehold*. **Pete Wendel, Dan Jameson, Bill Snyder.**

N-N-N

Emery, Utah, reports putting up 184 bee boards for alfalfa pollination.

N-N-N

Kaneohe, Hawaii, chapter used a mainland idea and organized a farm fair. Showed all kinds of animals and vegetables to children.

N-N-N

Red, White and Blue FFA Calendars for 1976 are available to help chapters or individual members celebrate America's Bicentennial. Check the new Supply Service catalog for details.

N-N-N

First place FFA district agronomy team went to *Grand Valley*, Ohio.

N-N-N

The "parlaw" team from *Smith Center*, Kansas, copped first in state contest according to reporter **Kelley Ayres.**

N-N-N

Honorary Chapter Farmer degree ceremonies were conducted by immediate past officers at *Starmont*, Iowa.

Chapters in the Kern, California, section have a barbeque and softball tourney. *West* FFA regained their title as champs (they lost to *South High* last year) with four double plays against *Bakersfield*. Score 9-1.

N-N-N

Fifteen citizens contributed to form an annual FFA scholarship for a senior in *Westhope*, North Dakota, chapter. **Rem Martin** was honored the first year.

N-N-N

Free homemade ice cream was offered to grade school visitors at *Lyman Hall*, Connecticut, Chapter vo-ag fair.

N-N-N

Tobacco is the income source for *Shelby County*, Kentucky, FFA.

N-N-N

Advisor **McCauley** retired at *Freeman*, Washington, after 36 years. His crops judging team won state 23 out of 30 times.

N-N-N

A lawn mower safety poster contest for fourth, fifth and sixth graders was organized by *Bowling Green*, Ohio.

N-N-N

FFA'er-of-the-year winner at *Fallbrook*, California, **Robert Verloop,** has a cactus nursery in his ag program.

N-N-N

Mr. & Mrs. Oliver Weber were awarded a VIP plaque after seven sons and seventeen years of support in the *Fowler*, Kansas, Chapter.

N-N-N

"Why didn't our plants grow?" *Bowling Green*, Ohio, FFA'ers had to go to grade school and talk about soil and care of plants. Second graders lost their classroom crop.

N-N-N

Bruce Cowan, *Marlow*, Oklahoma, member builds starting boxes in his home shop for racing Greyhounds.

N-N-N

Kim Kramer and **Harla Freeman** accepted award for *Olentangy*, Ohio, FFA at a Heart Fund recognition ceremony.

N-N-N

Glendo, Wyoming, members wear jackets to school on the day before a big FFA event. It's a reminder for members.

Two Minnesota FFA'ers got on the wrong bus heading for Greenhand camp at Loretto. In Iowa they discovered their bus was headed for Loredo, Texas.

N-N-N

Tom Siver placed first but his Dad was second in a judging contest at the *Anamosa*, Iowa, FFA swine clinic.

N-N-N

Winnfield, Louisiana, Chapter collected enough food for 15 families.

N-N-N

The new bimonthly radio program started by *Righetti*, Santa Maria, California, is "Future Farmer Report."

N-N-N

Southwest, Green Bay, Wisconsin, made wreaths for senior citizens' homes.

N-N-N

North Fayette County, Iowa, FFA bought a share of stock in new state university experimental farm nearby.

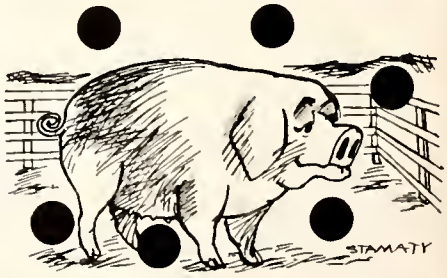
N-N-N

Everybody survived the *Salina*, Kansas, canoe trip on the Kansas River.

N-N-N

Sheldon, Texas, FFA'ers went wild hog hunting through a marsh. Freed a skunk from a trap.

N-N-N



Word is out that Pork IX of *Westbrook*, Minnesota, is mother of six Spots.

N-N-N

Advance, Missouri, FFA had an antique farming display in an uptown department store.

N-N-N

Iowa Falls, Iowa, held their own mechanics contest. Welding, tractor maintenance, small gas engines, and tool identification.

N-N-N

Special topic of patrolman Medders at a *Parker*, South Dakota, FFA meeting was winter driving.

N-N-N

Goshen, Alabama, said thanks to community for buying from FFA by putting up town's Christmas decorations.

N-N-N

Always space in Scoop for interesting, unusual and successful FFA activities. Or new ways of doing the regular things. Shovel it in.

Help get your parents through college.

Your college education can be pretty tough going. Especially on your parents. Because the cost of learning is going up as fast as the cost of living. And the average cost of four years of college is now $11,736.

That's why an Army ROTC Scholarship can be a big help to men and women. And to their parents. Each scholarship pays for full tuition, all related textbooks and lab fees.

You also receive $100 a month, for up to ten months a year, for four years.

Your obligation to the Army is four years active duty. You'll be serving them as an officer. With the same pay, prestige and travel opportunities as other Army officers, many of whom are also ROTC graduates.

Ask your high school guidance counselor about Army ROTC Scholarships. You'll be giving yourself a good education. And you'll be giving your parents a break.

Army ROTC. The more you look at it, the better it looks.

Army ROTC
P.O. Box 12703
Philadelphia, PA 19134

Tell me more about Army ROTC scholarships.

Ms.
Mr. _____

Address _____

City _____ County _____

State _____ Zip _____ Phone _____

High School Attending _____

College Planning to Attend _____

NFF-5-10

TIMBER!

Students turn in their textbooks for tools in Tacoma's tree farm classroom. And graduate with salable skills and a respect for nature.

TIMBER! The traditional cry of a northern woodsman rings out over a chainsaw's whine. The warning means another member of Tacoma, Washington's vo-ag forestry class has completed the day's assignment. The classroom is 362 acres big—a tree farm owned by the school which allows students to learn by doing in the most practical sense.

High school seniors from five different high schools gather each fall in a forest lodge, located 23 miles from the city, to begin their forestry training. Students may spend a full year in their training, and sometimes the schedule means students must enroll in night school classes to complete their high school requirements.

Through this forestry course, students learn conservation and resource management and mechanical application either towards immediate employment or pursuit of a career in technical or professional forestry. The training course covers the whole gamut of competencies needed for jobs in the fields of forestry, logging, timber conservation, wildlife management, fisheries, applied geology, soils and watershed management.

Not new, the program has actually been taught for 17 years and earlier programs date back to the 1930's. But something has been adopted into the curriculum—the FFA.

"We started an FFA chapter three years ago when our program was recognized as a vocational agriculture class," says long time instructor Dave Trier. "And now we wouldn't have it any other way. One hundred percent of our students are members and even though they come from urban high schools of between 1,600 and 1,800, they know what FFA is about before they leave us."

The leadership training they receive is a working part of the program. Don (Doc) Christian who teaches the machinery operation and maintenance part of the class explains: "We base the student's performance in our class on a contract. When they complete an assignment, the crew foreman will grade them. Each week an FFA meeting is held to elect that student foreman. He or she is then in charge of the crew and makes daily assignments and delegates each job to the workers. At day's end, he records the grades.

The students in turn grade him. If the crew dislikes the way he may be running the operation, they can replace him with a new foreman. "You'd be surprised at what they learn in regard to personnel relations," says Christian.

To finance FFA activities, students conduct money making activities using forestry skills. It may mean cutting poles for landscaping a yard or sawing up unwanted trees for firewood. Everybody pitches in.

A two-week orientation course is held each summer to acquaint prospective students with what they can look forward to for the year if they enroll. This year, a good percentage of

(Continued on Page 50)

With the courage of a veteran forester, a vo-ag forestry student ropes himself up tree trunk in classroom exercise.

Chips fly during chain saw cutting demonstration conducted by instructor Trier. Tree farm is second growth timber.

Your family's tractor and your future

You can look at a tractor two ways. One side says it's a necessary expense. The other says your family's choice of the right tractor is an investment in your future.

We believe the right tractor will be a partner in shaping your tomorrow.

It will put more money on the bottom line at year's end.

It will help build that new home...and send you to college.

It will keep you more comfortable, alert and productive.

The 155 pto hp Case 1370 tractor shown above lives up to this promise.

It's one of the 12 Case tractor power choices from 43 to 221 pto horsepower.

It's worth a visit to your Case dealer. J I Case, Racine Wisconsin 53404

J I Case
A Tenneco Company

TENNECO

doing something about it.

case

One of A Kind

There is only one official supplier of FFA merchandise. It is National FFA Supply Service, Alexandria, Virginia.

- Owned by FFA
- Operated by FFA
- For FFA

That's right. Totally owned by FFA members and operated for them. Controlled by the National FFA Board of Directors and National FFA Officers.

All income above the cost of operation is used by the organization for the benefit of FFA members—not as profit to any individual.

Don't be mislead by companies trying to commercialize on the name and emblem of FFA. If it is not from the National FFA Supply Service located at Alexandria, Virginia, it is not official.

Your advisor is mailed a catalog each summer. See him to order your FFA items.

Support FFA! Order from the:

National FFA Supply Service
P. O Box 15159
Alexandria, Virginia 22309

A Man For Others-- A Foreign Missionary Priest

That's what a Columban Father is. He's a man who cares...and a man who shares...a man who reaches out to missions in Asia and Latin America ...to share the Good News that Jesus truly cares for them. He's a man who commits his life totally to others so they can live their lives as God intended. Being a

COLUMBAN FATHER

is a tough challenge...but if you think you have what it takes and are a Catholic young man, 17 to 26, write today for our

FREE 16-Page Booklet

Columban Fathers FF
St. Columbans, NE 68056

I am interested in becoming a Catholic Missionary Priest. Please send me a copy of your booklet.

Name _____ Age _____

Address _____

City _____ State _____

Zip _____ Phone _____

Timber

(Continued from Page 48)

the forth-coming students were girls.

Says Trier, "Yes we've had girls in the program before and they do well. We treat everyone alike—so the girls learn how to use chain saws and axes, how to climb trees and drive the loaders just like the boys. In fact last year the girls won the bucking contest in our class competition."

Competition on a chapter level is the one thing the Tacoma chapter would like to see more of in the future. Some of the other schools in the state hold logging rodeos for recreation and pit their skills against opposing schools. A rodeo might include log chopping, pole throwing, and chain saw assembly and operation.

For the metropolitan schools of Tacoma, instruction in forestry is a natural. The city's economy depends on forestry or forest related occupations. Personnel from St. Regis and Weyerhaeuser, local lumber companies, serve on the program's advisory group. Last year over 65 percent of the students taking the course found employment in some type of forestry job. The last half of the spring quarter is set aside for placing students in jobs.

The program seems to have special appeal for students turned off by traditional classroom education. "It sure beats trying to stay awake in a stuffy old classroom," says one student as he cautiously sharpens a chain saw blade.

"It may look like work but it's a great way to learn and a lot of fun," says a fellow hard hatted worker. "I've probably learned more out here in this two week summer course than all last year in school."

Like testimonials are given by much of the crew. Both students and instructors agree they enjoy what they're doing.

One student who has since graduated into a forestry career summarized his feelings in a paper. He wrote, "What the tree farm means to me is a learned trade—a knowledge I can hold in my hand and know that I have. And just for the record, doing something I believe in has changed my attitude. My attendance and study habits have improved in a way I can be proud of. I can honestly say to the instructors and originators of this program, it has been the right turning point in my life."

Drug Warning

(Continued from Page 42)

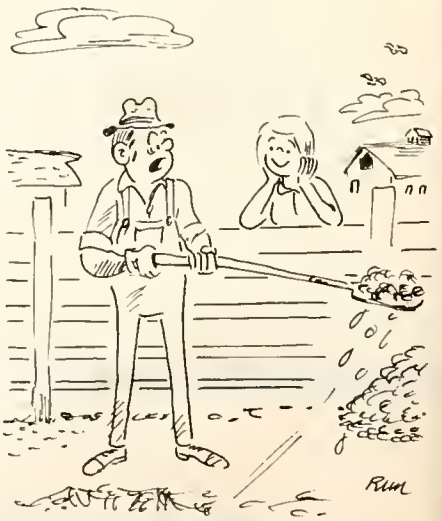
drug label before marketing milk or slaughter animals. Withdrawal times are given in numbers of days that must pass between the last treatment with the drug and the day on which the animal may be slaughtered. However, it is not recommended that drug users calculate drug withdrawal too closely. To be on the safe side there should be a margin for error.

Kingma also suggests that if you have any doubts about the proper use of an over-the-counter drug, you should contact the person you bought it from or your veterinarian. If the drug is prescribed by a veterinarian follow his instructions for proper use, and call him promptly if anything unusual happens while you are using the drug.

Are there any added benefits to all this extra care in proper drug use?

Sure are, and they're well worth the time. First, proper use means better utilization of an expensive capital input. The most efficient use of any drug is that which is recommended by the company that is marketing the product. Any alteration in dosage or application by you would lead to a possible drop in production. Also continued misuse of a product carries with it the threat of having that drug product taken off the market, which is a loss to both the producer and the consumer.

And finally the reputation you establish for proper drug use can help you gain consumer good will for you and the industry. As a good agri-business policy proper drug use should increase consumer confidence in the wholesomeness of the food they purchase and in the trustworthiness of the agribusiness men who produce it.



"When I told dad he doesn't DIG things right—he gave me this job!"

is that your Calf Manna fed champion?

Today more than ever before, your cattle have to be superior animals.

Buyers and judges are very selective and only the breeder and showman who presents his animals to the very best advantage will top the sales and shows.

Today, it takes superiority not only in breeding, but in size and heart girth; in condition and haircoat; but even more in records that prove feed efficiency and weight gains for age.

For the past 44 years, discerning cattlemen have learned that Calf Manna fed at the rate of just one pound a day, builds the kind of cattle that sell readily. Calf Manna at 80% T.D.N., in a starter feed, in a growing ration or as a breeding concentrate that beef cattlemen can trust to bring out every good genetic trait.

For specific feeding directions, formulas and confirmed statements by other top cattlemen as to Calf Manna's results, write for your free copy of "Selecting, Fitting and Showing Livestock."

Then, when the word goes out — "Here Comes the Judge" — you will find him heading for your Calf Manna fed Champion.

LabMix
FORMULATED FEEDS
THE HEART OF ANY LIVESTOCK RATION

Carnation-Albers / THE CALF MANNA PEOPLE

6400 Glenwood, P.O. Box 2917, Shawnee Mission, Kansas 66201

Safety With Pesticides

Safety With Agricultural Ammonia

A Part of Your Farm Safety Program

By Jay Vroom

SAFE handling of agricultural ammonia fertilizer and pesticides should be a part of your farm safety program—just like the safe use of farm machinery. Both have some special characteristics that you should know and understand in order to use them safely in your farming operation. This safety information on ag ammonia and pesticides is provided by The Fertilizer Institute and National Agricultural Chemicals Association.

Anhydrous Ammonia Safety

Caution is the key word. When caution is constantly and continuously practiced, ammonia can be handled as safely as any other gas or liquid that is handled under pressure.

Safe handling of anhydrous ammonia starts with good equipment specifically designed for anhydrous ammonia. It depends upon well maintained equipment, and careful operation of this equipment by people who understand ammonia and are trained to handle it.

It's important to avoid bodily contact with liquid anhydrous ammonia because it damages skin tissues by freezing. It can also burn by dehydration. Skin burns can be serious, but eye exposure to liquid ammonia can be even more critical and may result in blindness. Fortunately, ammonia is one of the most water soluble of all gases, so water is your chief controlling agent in any anhydrous ammonia emergency.

You don't need special gadgets to detect dangerous concentrations of ammonia vapor—your nose will "tell you" that ammonia vapor is in the air and even far below injurious levels. The pungent odor is so uncomfortable that you cannot voluntarily remain in an area with injurious concentrations of ammonia.

Safety Equipment

In most cases your on-farm experience with agricultural ammonia will involve transferring it from a nurse tank to your applicator, and operating the application equipment. A recent Indiana study showed that 60 percent of all ammonia emergencies occur in transfer. When transferring anhydrous ammonia you should *always*:

1. Wear tight fitting goggles or a full-face shield.
2. Wear protective gloves made of rubber or similar ammonia-impervious material.
3. Have at least five gallons of clean water available to use in case of an emergency. Water is used to flush an ammonia burn—be it a burn to your skin or to your eyes.

Safe Procedure

Always pick up an ammonia hose by the valve body or hose-to-valve coupling. Mishandling of hose end valves is credited with 77 percent of the injuries sustained in anhydrous ammonia accidents. Your hoses, both liquid and vapor, should never be disconnected until all pressure has been relieved through the bleeder valves. Always stand upwind while bleeding the pressure from the lines. Always park your nurse tank downwind from the applicator you're filling.

"Gad, Herbie, if you're gonna take off from work, why come in at all?"

After making sure your connection is right and tight, open the valve very slowly. This allows any pressure differential to equalize gradually, permits the checking of connections and hoses and prevents the unnecessary closing of an excess flow valve.

Never overfill the tank. Every tank should be equipped with a liquid level gage so designed that it will indicate a liquid level equivalent to 85 percent of the water capacity of the tank. The gage may be used as the device to determine when the tank is properly filled. Additional ammonia safety points include:

- never weld on or near an ammonia tank.
- always be cautious when transporting ammonia—an overturned ammonia tank is expensive and may cause ammonia to be released in your direction.
- be sure all ammonia equipment is well maintained—hoses and valves in good order, tanks painted, etc.
- take care when unplugging an ammonia applicator knife—ammonia could be released!

Pesticide Safety

Caution is the byword in many activities, particularly in the use of pesticides. Don't be guilty of using the as-

(Continued on Page 55)

IT'S YOUR SHOW, FFA.

Help us bring your ancestors back to life at Farmfest 76. It'll be the largest exhibition of farming's past and present ever staged. And you, FFAers, will be the stars of the show.

Meet you at the FFA Center.

FFA has chosen Farmfest 76 as your official national Bicentennial activity. There'll be a big FFA Center where you can meet thousands of your fellow FFAers from all across the country . . . and a host of other unique activities to take part in. Farmfest Executive Director Ed Hart will be at your National Convention to give you more details.

Help Farmfest go down in history.

Farmfest will present the largest collection of antique farm tools and machinery ever assembled. So, help us find rare examples of historical equipment, or people who can demonstrate old-time skills.

FFA can sell tickets.

FFA will have the opportunity to sell advance tickets for Farmfest 76. These will be the hottest tickets in rural America, and every one you sell will raise funds for your local chapter and state association.

Be a movie star.

A feature film will be made of Farmfest activities, and FFA events are sure to be dramatically displayed.

See the rest of the show, too!

There'll be so many things to do, we can't mention them all. But you won't want to miss the colorful historical pageants . . . the thousands of acres of field demonstrations . . . the giant exhibits of old and new machinery . . . The World Series of agricultural sports events (including the 20th World Championship Tractor Pull for a $40,000 purse, Horse Pulling Contests, Plowing Contests, and many more) . . . great free stage shows featuring the biggest names in entertainment. It'll be an event you'll remember for the rest of your life.

Go back to the 19th century for a week.

One of the most unusual exhibits at the show will be put on by FFA: A turn-of-the-century farmstead brought to life, with FFAers in historical costumes doing the chores they did back then. This exhibit will be talked about for years to come.

"Help us build Farmfest 76."

FARMFEST 76™

Sept. 13-19, 1976
Lake Crystal, Minnesota

AMERICA'S BICENTENNIAL SALUTE TO AGRICULTURE

All operations on the Ingle farm are aided by use of progressive management tools, including the airplane. Scott (at left) was teen president of the IFF.

Their Agriculture Is Airborne

The people in IFF have two things in common, airplanes and farming. They fly from all corners of the world to strengthen that shared background.

By Gary Bye

"IF THERE was one thing I'd credit our family's farming success to it would have to be the airplanes," says Scott Ingle, immediate past president of the International Flying Farmer Teen Club, and FFA member from Huron, South Dakota.

Scott is a teen member of IFF, but his qualifications are such that he could be an active Flying Farmer. "It requires two things to belong," he says. "First you must receive over one half your income from agriculture, and second, either the farmer or his wife must hold a pilot's license." Scott recently completed training for his private pilot's license, and his farming operation, for a young man, is extensive.

He farms 40 acres of corn, 27 of sorghum, and is in partnership with his father in the care of 90 head of Hampshire and Suffolk ewes with lambs. He's also heavily involved in the family farming operation that includes 4,000 acres of corn, sorghum, wheat and milo. Two hundred head of cattle complement the operation. Recently the farm has added three quarter-section pivot irrigation units to increase crop yields often held back by lack of adequate moisture.

Scott's function as president of the teen organization, with 900 active teens ranging from twelve to twenty, focused on helping set up officer training for chapter and state officers and to visit state conventions to represent the national organization. His duties carried him to states like North and South Dakota, Minnesota, Wisconsin, Kansas, and to such far away places as Mexico, Guatemala, Costa Rica and Manitoba, Canada.

"The FFA background helped," says Scott, who served as his local FFA chapter president and received his State Farmer degree this summer. "The public speaking was especially helpful in running our conferences and conventions." Scott's FFA public speaking experience includes four years in the state convention finals.

The Flying Farmer organization claims membership of approximately 9,000 members from all over the world, according to Scott's father, Robert Ingle, who has served as national president of the organization and has been a member since 1957. Almost every state in the country is represented. Over 25 percent of the membership comes from Canada and Mexico.

The aeronautic and farming background that Scott has acquired could eventually lead to a unique career for him should he decide not to return to the farm. He is now planning to attend South Dakota State University at Brookings, South Dakota, to study plant pathology. And he is thinking seriously about taking additional study in remote sensing, a science being used with the EROS program. The program, headquartered at Sioux Falls, South Dakota, is an off-shoot of the space program. Under the program, EROS processes and distributes aircraft photography taken by governmental agencies and space program photography including NASA research and manned satellites. The program is trying to make crop forecasts from the satellite photos. "It would be a good combination of the things I enjoy most," says Scott.

Pride of the Ingle farm is the family's airstrip and hangar, occupied by a single engine Cessna 180 and an Aeronca Champ. The field was recently the site of an IFF fly-in held for Scott. It was to honor him both as out-going president of the teen club and for his newly acquired pilot's license.

One hundred and fifty people arrived in 28 aircraft for a day of family fun and fellowship. Fly-ins are a favorite happening for Flying Farmers and this one featured a local horse show and amateur rodeo. But the most important aspect of these get togethers as stated by the Ingle's is the exchange of information.

"A lot of our farming ideas come from people clear outside our area," says Scott. For example, the idea for our grain storage and drying facility came from a farmer on the west coast.

"And we base a lot of our market decisions on what we learn at national meetings," adds Scott's father. "By getting together with other farmers, we know pretty well what the crop production picture is all over the country."

Scott concludes the discussion with a strong pitch for the airplane. "The planes play a major role in many of our members' farm operations. Whether it's flying for machine parts, applying pesticides, shopping for the best buy on equipment or just taking an aerial inventory of one's own farm, the airplane is an extension of a farmer's flexibility in management, besides it can be a lot of fun, too." says Scott.

Farm safety is a personal thing. Logic and clear thinking are its mainstays. And if you don't take it personally, an accident may "take you."

(Continued from Page 52)

pirin theory that if one is good—two is better. Not so. It's a trap. With pesticides, use only the amount recommended in the label instructions. Using more won't be better, and it could cause problems.

Never trust your memory. Before using any pesticide—**STOP and read the label!** If you can't or won't follow directions, you shouldn't be using any pesticide, even one you've been using for years.

All the knowlege you need is boiled down into the wording of a pesticide label developed for the specific formulation in that container. *The professional always follows the label directions, knows the special precautions needed, and doesn't take chances.*

Federal law regulates the placement of all needed information and warning statements on a pesticide label. Caution statements must be printed in a specified size of type. You might say that the label is a legal document.

There's something else which will help. Wash up before you eat your lunch, and leave the smokes behind when you're applying pesticides. This way you reduce the chances of ingestion or inhaling possibly harmful amounts of a pesticide.

Basic protection against pesticide exposure includes a cap or hat, long sleeves and trousers worn outside waterproof gloves and boots. Avoid cloth gloves and leather shoes. They can absorb pesticides and continued use could actually give you long time exposure when you thought you were protected. It's false security.

There's good reason to wear eye protection, particularly during the mixing operation when you're handling concentrated material. Liquids can splash and dusts can blow into your face. Pour slowly and carefully.

Since no pesticide is good for your eyes, get goggles—and wear them. Don't chance getting any in your eyes. Some materials are caustic and can cause severe burning. If this happens, flush the eye with clear water for 15 minutes and get medical attention.

When using some of the highly toxic materials, additional protection such as water-proof outerwear may be required. Check with your dealer for the latest developments in this type of equipment.

Respirators equipped with chemically active filters may also be needed with certain materials. If such filters are needed, be sure to use them. Don't rely on a simple gauze filter which is designed only to filter out dust. And change the cannister or cartridge frequently as directed.

Final cleanup is important. Wash and bathe thoroughly and give special attention to cleaning and checking your equipment, and have your clothes laundered so you can start off the next day with a clean slate.

The professional makes sure that his used pesticide containers don't end up discarded in a stream, lake or open dump to add to environmental problems, and public outcry. Instead, he sees that paper bags and containers are incinerated or disposed of in an approved landfill, and not left lying around to fall into unsuspecting hands.

Remember—the best advice you can give or take is to STOP and read the label before you use any pesticide.

"Of course feed costs more this trip. I haven't been here for a month."

Raise Funds for Your FFA Chapter and Commemorate the U.S. Bicentennial By Selling "THE GROWING OF AMERICA" in Your Community

- **Personalized dedication page lists all members of your FFA Chapter**
- **Preface featuring your own state association**
- **A beautiful bound volume paying tribute to agriculture . . . one that people in your community will be anxious to own**

The amazing story of agricultural progress during the past 200 years is told in this fascinating tribute to the resourcefulness and ingenuity of the American farmer. THE GROWING OF AMERICA is historically accurate, complete and easy to read. Hard cover, beautifully illustrated, 144 pages. Published by Johnson Hill Press, Inc.

For information concerning the exclusive FFA Chapter fund raising plan ask your FFA advisor or Chapter representative to call toll free 800/558-9537, in Wisconsin call collect 414/563-6388.

NASCO • 901 Janesville Ave. • Fort Atkinson, Wis. 53538

FFA in Action

It was a genuine "exchange" of skills during the visit by Japanese students.

Oriental Tourists

This year Central Linn, Oregon, High School and FFA chapter has been hosting nine students and two advisors from Mito Agricultural School in North Tokyo, Japan. The group visited in the United States for just one month. Many activities were planned to entertain the students and introduce them to Oregon agriculture. They toured Oregon State University and they went horse back riding which was completely new for them. They attended the Central Linn FFA Awards Banquet where each student received an FFA T-shirt. A highlight of their visit took place when the students and teachers toured the farms of chapter members. They were able to exchange farm techniques and procedures.

The visit of the Japanese was arranged by Mr. Terry Ochs, social studies instructor.

All guest students and advisors stayed in the area for three weeks with host families. Expenses to and from Japan were picked up by the students themselves, however host families provided transportation and room and board during the stay. *(Mike Murphy)*

Pet Programs

A unique community service project of Mt. Whitney, California, FFA in Visalia is Project Pet.

The project is for FFA to furnish small animals with their cages, litter trays and bedding on a free loan to elementary and junior high teachers. FFA delivers and picks up the animals.

Project Pet started last year at Mt. Whitney when an advisor read an article about a pet library. The chapter took the idea and during the summer planned out the project, how it should work, who it's for, and other facts.

Then chapter President Jim McCarty and Advisor Schmall went to the school district office and after presenting the idea received full backing and aid in notifying the grammar schools.

Members get small animals of all kinds—rabbits, hamsters, lizards, snakes, and even clams. Whatever the teacher needs. Most of these animals were donated to the chapter. FFA supplies the feed, water, cages and any other supply needed to care for the animals at no cost to the school. "We then bring the animal to the school, give a little talk to the children on how to care for animals, its background, its habits, its world, and most important, its name!"

Teachers can use the animals any way they want. Science class, health classes and even English classes have found the advantages of Project Pet. Children can become involved. Posters are put out to notify the teachers in the elementary schools of this. Usually there's a two-to-three week loan of the animal. This leaves several weekends where the children can take the animal home.

"We have a standing committee with responsibility to see that Project Pet functions well. It runs all year 'round so even during the summer is still in the swing of things."

Juniors To The Rescue

At a November, 1974, meeting of the Crossville, Alabama, FFA Chapter, a guest speaker's information provided the spark which has led to the formation of a junior rescue squad composed of FFA members, the purchase of a $12,000 rescue ambulance and the establishment of a tornado watch team.

FFA members enjoy the experience of telling the kids how to care for pets.

During the meeting a member of the Crossville Rescue Squad pointed out the need for more qualified help in emergencies. He also noted the present rescue ambulance was not certified or able to meet the needs of the community. The town of Crossville has over 2,000 residents and is 16 miles from the nearest hospital.

The chapter then decided to adopt the program as their BOAC project.

The first step was to organize a junior rescue squad to provide backup assistance for the senior rescue squad in case of an emergency. The junior squad started with less than ten FFA members and has gradually grown to include 22 active FFA members.

The junior members have regular meetings to review safety techniques and receive training in first aid procedures.

FFA members receive additional training for their life saving roles through the use of practice drills and

(Continued on Page 58)

A new rescue ambulance and trained personnel came about because of FFA.

Three 22 Scopes:
Weaver lightweights that make big game out of small game.

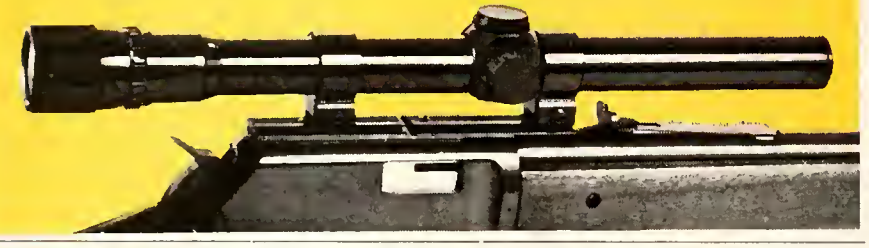
What's little doesn't have to stay little.

Look through a Weaver 22 Scope. Its powerful achromatic lens system filters out colors you aren't supposed to see. Optics are housed in a 7/8" tube that's lightweight and perfectly matched to 22's.

Quality. That's a Weaver 22 Scope. And you can have one three different ways: a 4-power Model D4; a 6-power Model D6; or, for the best all-around shooting, Model V22 with 3- to 6-power.

See them at your dealer. Or write for free color catalog that shows Wider-Views, K Models, V Models, 22 Scopes, Qwik-Points. W. R. Weaver Company, Dept. **93**, El Paso, Texas 79915.

WEAVER SCOPES
The Great American Scope.



VALUABLE COUPON

a self teaching BELT & WALLET COURSE.

Regular $9.95*
$6.95 ONLY
with coupon

The Belt & Wallet Course includes everything you need to make the project as shown.

Save $3.00 OFF

*Prices subject to change without notice. Retail prices may vary at individual stores.

GOOD ONLY AT TANDY LEATHER COMPANY

COUPON CONDITIONS

Mail or take this coupon to Tandy Leather Co. locations in most cities nationwide. When ordering by mail be sure to enclose local tax plus 95c for shipping. Limit one coupon per person. Not redeemable for cash and may not be used toward tax or postage. Coupon must be presented at time of purchase. Cannot be used in combination with any other Tandy offers.

WFFP
Name _____
Address _____
City _____ State _____ Zip _____

Or you may order this offer direct from Tandy Leather Co., Dept. WFFP, 1001 Foch St., Ft. Worth, Texas 76107.
Offer good at participating stores.

☐ Send FREE Catalog

EXPIRES MARCH 31, 1976

FFA in Action

(Continued from Page 57)

mock wrecks. During the 'life-like' drills Crossville FFA members put their safety training into use under the guidance of qualified supervisors.

The major project the FFA'ers undertook was the purchase of a new ambulance. It was a joint project between the BOAC committee, the junior rescue squad and the senior rescue squad.

The BOAC committee prepared for their fund drive by using local newspapers and radio stations to advertise their road-blocks in advance. As a result of their publicity program the junior rescue squad was able to raise almost $7,000 for the ambulance in less than two days.

Other FFA junior rescue squad programs include a safety watch team. When conditions are favorable for a tornado an FFA member is allowed to leave the classroom so he may keep a watch on weather conditions around the school.

"This entire project is good not only for our chapter but for the community, too. The FFA members enjoy the program and the leadership and responsibility which it provides," said Crossville FFA Advisor J. R. Hamilton.

To keep the BOAC project growing, the junior rescue squad plans to construct a garage to house the ambulance and first aid equipment. *(Elton Bouldin)*

A New Film Star

"Stretch," a 1,190-pound Angus steer owned and shown by Chris Waldher, Pomeroy, Washington, is a movie star.

The steer won grand champion FFA steer and all-show reserve grand championship honors at last year's Pacific International Livestock Exposition in Portland.

"Stretch" was then chosen by Oregon State University as the model market steer and used as subject of a lecture-film to be used by FFA chapters in Oregon.

Chris sold his steer for $1.25 per pound at the sale.

"Any luck?"

NOCONA BOOTS

Style #7166

SINCE 1925
NOCONA BOOTS

A Great Tradition of the American West.

NOCONA BOOT COMPANY / ENID JUSTIN, PRESIDENT / P. O. BOX 599 / NOCONA, TEXAS 76255 / (817) 825-3321

FFA in Action

(Continued)

Statewide Breakfast

Nearly 300 Ohio FFA members and special guests came to their state capitol to salute members of the General Assembly. Well over 90 percent of the state's legislators responded to the 7:00 a.m. breakfast call to meet and eat with the agricultural education segment of Ohio's secondary school system.

State FFA officers along with State Advisor James Dougan informed the legislators about the agricultural education programs being conducted in local, city and area vocational school districts to train individuals for agricultural occupations. Each legislator was hosted by the FFA chapter in his local area.

Vernal G. Riffe, Jr., speaker of the Ohio House of Representatives, and Oliver Ocasek, president pro tempore of the Senate, Dr. Martin Essex, state superintendent of public instruction, and Dr. Byrl Shoemaker, director of vocational education addressed the 432 individuals in attendance.

The FFA members and their vocational agriculture teachers spent the remainder of the day touring the state capitol, attending sessions of the Senate and the House and committee hearings on proposed legislation.

The activity was sponsored by the Ohio FFA Association and the Ohio Vocational Agriculture Teachers' Association and was a part of Ohio Agriculture Day as proclaimed by Ohio Governor James A. Rhodes.

Town Cleaners

Sunset has a population of 1,951 and is in "Cajun Country" of South Louisiana. The area is well known for hospitality and attractive seafood dishes.

The FFA chapter there sponsored "Clean-Up Day" which involved concerned citizens. They worked together to clean litter around town and also weeds that seem to grow up everywhere.

The Sunset FFA program really started in 1973. With help from local farmers, new Advisor Mr. Brasseaux was able to secure one-half acre of land adjoining the school. Garden vegetables were grown on it and oak trees, pine trees and shrubs were planted.

By the time the 1974-75 school year came around, the chapter had sold all the garden vegetables for a large profit. The community was beginning to shape up. Many townspeople took the example set by FFA and began to beautify their own yards with trees and shrubs grown by the chapter and sold for a reasonable price. Trees were sold as fast as the chapter could plant them.

They provided official FFA jackets for their congressional leaders in Ohio.

The chapter also aided in beautifying the Sunset High campus, especially the ag department. A new shop addition was built by the members and day lilies planted on the sides of the shop.

Townspeople suddenly went on an ambitious drive to clean up the community. The social groups, businessmen and other organizations of Sunset all put in time and effort to get the town ready for an entry in the statewide Cleanest Town Contest. With so many people involved, Sunset won first place in their district contest.

When judging was held, Sunset placed second and was given much praise by state officials because so many people had taken part. They also praised the FFA chapter for its great part in the contest. *(Percy Johnson, President)*

Snowman Parade

Diamond, Missouri, members built a moving "Frosty The Snowman" in their shop and took him around from town to town for holiday parades.

The larger-than-man size snowman moves along with help of four FFA members inside to tip his hat, wave his arms and turn his middle section. Girls were honorary engines out in front of the float.

The FFA snowman went down through town in a number of holiday parades.

FFA's "Frosty" took honors in Carthage, Granby, Monett and Joplin, Missouri, parades, plus in Baxter Springs and Columbia, Kansas.

Gilts Fly Overseas

Brad Worley, a Fairfield, Illinois, FFA member, has sent five of his Duroc gilts to Taiwan.

The hogs were airlifted by the Flying Tigers Airline from O'Hare Field in Chicago to Taipei, Taiwan, to be used by the Rural Resource Development to further upgrade the swine industry in Taiwan.

Arrangements for the sale of five registered gilts was made through Interstate Producers Livestock Association.

Brad farms with his father on a 430-acre grain and livestock operation and served as sectional FFA Sentinel.

A Sweet Business

One of the projects the Petoskey Chapter in Michigan does every year to involve members is to use some of the untapped maple trees in Emmet County to produce maple syrup.

It all started when one of the classes decided to have a project in their class. They started with spikes and buckets and boiled the sap in a rustic evaporator with a wood fire underneath and a tarp overhead to keep out the weather.

Then the chapter decided it wouldn't be as much work using plastic tubing and plastic bags. So the chapter went ahead and bought just enough to try it. The members tapped the trees on the school property the first year to see if tubing was as good as advertised. This encouraged members to tap on their parents' property.

Now the chapter lends the members the plastic tubing to tap the trees and the members are paid so much per gallon of sap they bring in to be evaporated into syrup.

The trees are tapped on a down hill slope so the sap can run into the tank

(Continued on Page 65)

Join our ground crew.

You can help fly an airplane. And help yourself too.

You can have a great part-time job in the Air National Guard.

One weekend a month you can be fixing the planes, repairing the runways, operating the communications systems—doing the jobs on the ground that keep the pilots in the air.

You'll learn a skill that could get you a good job. Earn extra money—over $40 a weekend to start.

See how you can belong to the Air Guard Ground Crew. It's the most important part-time job in America.

Mail coupon or call toll-free 800-336-0423. (Except in Virginia, Puerto Rico, Hawaii, Alaska.)

Air National Guard/P O Box 1776/Edgewood, Maryland 21040 A INF00107 5
Please send me more information about the Air National Guard.

NAME _____ SEX

ADDRESS _____ AREA CODE - PHONE

CITY _____ STATE _____ ZIP

SOC. SEC. NO. _____ BIRTH DATE

AIR NATIONAL GUARD
The Guard belongs.

Beef Heifer Show

(Continued from Page 23)

Chairman Mike Allen is a former FFA member from Hillsboro, Texas, and is now an agriculture education major at a local junior college.

People saw red on Thursday afternoon as the show reached its midway point, and Shorthorn enthusiasts took over the judging arena. Selected as Grand Champion over 100 other heifers was one owned by another person with a blue and gold background, Tracy Holbert of Ducanville, Texas. Tracy was one of a group of Texas FFA'ers who attended the show with FFA Advisors Gary Bachloz and Tommy Corington.

The Shorthorn Association, taking advantage of the gathering, effectively combined their first-time national heifer show with their 1975 Shorthorn Youth Conference. Highlighting the conference was a speech contest, a showmanship contest which featured team competition, and officer elections for the new year. Named president of the Junior Association was Dave Steck, a member of the Watoga, Illinois, FFA Chapter.

Sandwiched amid all the heifer hoopla were two other events open to all competitors and interested individuals. On Thursday morning an All Breeds judging contest was held. Participants numbered over 700, including visiting FFA chapters and 4-H clubs. A Future Farmer team from Olmstead County, Minnesota, took the senior division judging title while Exira, Iowa, FFA finished second.

Following the contest, a special feature of the Heifer Classic was a "Career Forum." Mike Simpson, American Polled Hereford Association Youth Activities Director, who set up the program, explained, "The forum consisted of four panels covering career opportunities in beef production, agribusiness, agricultural communications and veterinary medicine. Each panel featured knowledgeable persons who gave the young beef cattle enthusiasts some insights into various careers."

Events on the final day of the show included National Junior Angus competition. The Angus show, started seven years ago with 200 entries, this year drew 383 from 16 states, according to Dean Hurlbut, the Angus Association's Director of Activities.

Debbie Nelson of Ansley, Nebraska, walked off with top show honors. A former FFA member, she is now serving as president of the Nebraska Junior Angus Association, with plans to attend the University of Nebraska this fall to major in animal science.

Topping off the week's events was what might be considered the most exciting event of all, at least to competitors from 41 states and Canada. The event, which is indeed national in scope, drew two entries from each participating state. The contestants had to be winners at their own state level in order to qualify for the National Junior Angus Showmanship Contest.

Dave Zehr, 19, of Flannigan, Illinois, was selected as top showman in the head to head competition. Dave had established his own small Angus herd through his vocational agriculture program and now serves as part time showman for the Tree Lane Farm, a top Angus ranch in Illinois.

Throughout much of the busy week, competitors and spectators alike found time to relax and enjoy the special entertainment made available. Mixers and poolside parties were held, as were banquets and special entertainment.

But more important than the fun was the valuable experience gained by all of the exhibitors.

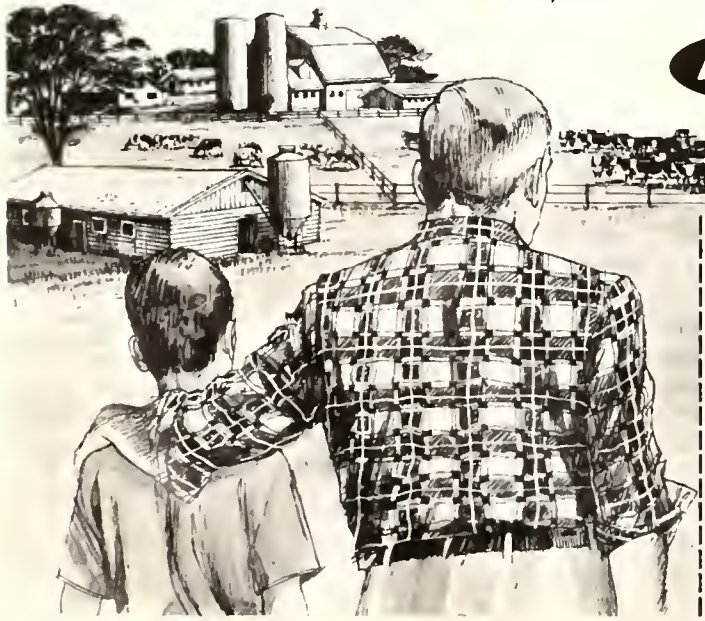
"The trend to these heifer programs is a step in the right direction," says Sherman Berg, Youth Activities Director for the American Shorthorn Association. "Heifer programs teach good management in breeding, feeding and record keeping. Better management is necessary in the livestock business. If young beef producers learn the fundamentals of beef production now, their efforts will be more profitable in the future."

Farming...it's our future too!

We've been around the farm scene for a long time. Since 1914, our products have helped your dad and grandad raise strong, healthy livestock, and we're determined to help you do the same.

That's why we're constantly working to "GEAR UP" our salt and mineral products to meet the latest nutritional requirements of today's breeds. No matter what class of livestock you raise, Hardy's full line of agricultural products offers special formulations to help improve production.

So—we're as committed to farming as you are. Send in the coupon today for a FREE full color book called "Minerals for Dairy & Beef" (please enclose 25¢ for postage and handling). Find out all about the trace mineral and mineral functions, interactions and requirements for growth.



Hardy Salt Company
P.O. Drawer 449
St. Louis, Missouri 63166

Hardy offers Trace Mineral Salt, Foot Rot Salt, Super Trace Swine Salt and Fly'n Worm Mineral Medicated.

Please send me the FREE full color booklet on "Minerals for Dairy & Beef" (25¢ enclosed for mailing and handling)

My livestock interests are:

☐ Dairy ☐ Beef ☐ Sheep ☐ Swine

NAME_____

ADDRESS_____

CITY_____ STATE_____ ZIP_____

Jan Miller, New Ulm, Minnesota, FFA demonstrates mixing milk replacer at chapter's annual spring ag show. It attracted 1,000 children and teachers for agricultural awareness session. Machinery, livestock and feeds were on exhibition for them to crawl on, to pet, to touch, to look under, and to smell.

FFA in Action

(Continued from Page 60)

without a backup in the tubing. The chapter uses a 275-gallon tank on the advisor's truck. Sap is hauled from the site of tapping to the vo-ag building where it is to be boiled. There it is put in a holding tank until there is enough sap collected to start the evaporator.

Our chapter has invested in a bigger evaporator to improve the process of boiling the sap down to maple syrup. We have an evaporator that uses wood. So we go out and cut wood on property where we have permission to cut. Then two members are responsible for the evaporator at least one day during the sap season.

Sap is put in a feeder tank where it flows through the evaporator. When the sap reaches the boiling point of standard density of syrup (seven degrees above the boiling point of water) the syrup is drawn off and is filtered.

For the finishing process we sanitize the jars and bottle the syrup in glass containers of different sizes to be sold.

After the jars are filled, they are sealed, cleaned and the labels put on. We do make maple candy but not as a profitable venture.

Four members of Reedsville, Wisconsin, hand painted an FFA emblem in color on their ag classroom door. Dean Ziemer, Leonhardt Behnke, Mike Krepline and David Bubolz admit to doing the agricultural art on the door as an improvement project for the school.

Raise $1000 or more!

Here's how. Tell your friends about SNAKEBITE FREEZE!

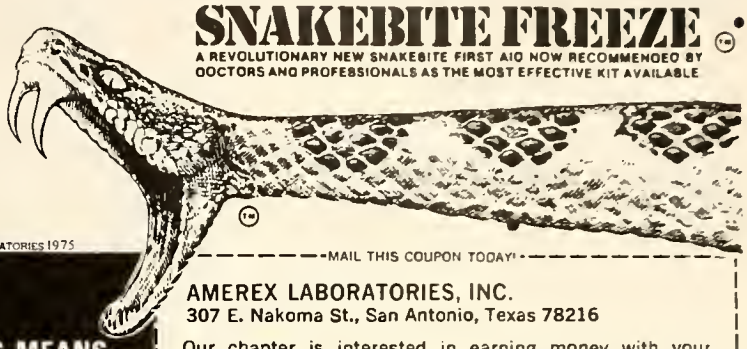
What is SNAKEBITE FREEZE? It's a revolutionary new first aid kit for snakebite which decreases the activity of the venom and allows time to transport the victim to the nearest medical facility without further harm due to cutting or other home remedies. It works for all kinds of snakebite – both poisonous and nonpoisonous. Also for scorpion, wasp, spider and other insect bites or stings.

SNAKEBITE FREEZE has been acclaimed and recommended by outdoor writers and farm editors. Thousands of kits have already been sold by mail and selected dealers.

Your chapter can earn $200, $500, $1,000 or more by selling SNAKEBITE FREEZE to friends and neighbors with our Group Fund Raising Plan. Available for a limited time only. Write today.

SNAKEBITE FREEZE ®

A REVOLUTIONARY NEW SNAKEBITE FIRST AID NOW RECOMMENDED BY DOCTORS AND PROFESSIONALS AS THE MOST EFFECTIVE KIT AVAILABLE



© AMEREX LABORATORIES 1975

THIS MEANS MONEY FOR YOUR GROUP OR YOURSELF ...SO ACT NOW!

MAIL THIS COUPON TODAY!

AMEREX LABORATORIES, INC.
307 E. Nakoma St., San Antonio, Texas 78216

Our chapter is interested in earning money with your Group Fund Raising Plan. Please send complete information and sales kit.

NAME_____
SCHOOL_____
ADVISOR_____ NO. OF MEMBERS_____
ADDRESS_____
CITY_____ STATE & ZIP_____

FREE BEEF CATTLE FILMS

Beef up your next class on cattle production, or add a unique touch to a program you are responsible for, with one of these entertaining and educational, 16mm, color, sound motion pictures. Check the box for the film or films you want to show and fill in the date you plan to show it. Be sure to allow at least 3 weeks for delivery. Then fill in your name and complete mailing address, clip the entire ad and mail it today. There's no charge, you just pay return postage.

Your First Step — Shows young people and their parents how to get the right start with a beef project. Features the 1971 Star Farmer of America. (14 minutes)

☐ Show date_____

Production Records — Registered and commercial cattlemen tell why they are using production records and how records have helped them breed better cattle. (28 minutes)

☐ Show date_____

100 Years of Angus — Tells the story of importing the first Angus into the U.S. in 1873. Shows importer George Grant's original home and ranch on Kansas plains. (14 minutes)

☐ Show date_____

Your Best Beef Buy — Shows why it's important to buy top quality beef, how to recognize quality and how to broil a steak. Brief explanation of USDA grades. (11 minutes)

☐ Show date_____

Name_____
St. or Rt._____
City_____
State_____ Zip_____

American Angus Association
3201 FREDERICK BLVD., ST. JOSEPH, MO. 64501

Webster defined it...

paint/verb to color all or part of (a surface) by or as if by applying a pigment: apply color to: add color to: coat or touch up with coloring.

horse/noun a large solid-hoofed herbivorous mammal (Equus Caballus) domesticated by man since a pre-historic period and used as a beast of burden, a draft animal, or for riding.

We've refined it... Paint Horse

"THE SPORTS MODEL OF THE HORSE WORLD"

For Information Write:
American Paint Horse Association
P. O. Box 13486, Dept. FF
Fort Worth, Texas 76118

Junior Markets

(Continued from Page 26)

champions as we know them today and abandon our present junior livestock sale policy.

As an alternative I propose the following programs as a means of returning to the objectives of the junior livestock program:

1. All youth enrolled in market livestock projects would be required to start their animals on a feeding test that would measure rate of gain.

2. All livestock would be on a uniform test period.

3. Minimum rates of gain would be required.

4. Detailed records would be kept on feed consumption, health care, general observations, etc.

A show might have the following format:

First day of fair. Animals would be brought to the fair and weigh-in would constitute final weight for determination of gain if standardization for fill could be established. Rate of gain would account for 30 percent of total score.

Second day of fair. Animals evaluated on foot by a committee. Structural soundness, type, etc., would be evaluated and discussed by the committee on each animal. The entries would then be lined up, either together or by groups and placed by the committee. Points amounting to 20 percent of the final score would be assigned according to placing. Market animals would then be shipped to the packer for slaughter.

Third day of fair. Each exhibitor would be required to present his record book to a judge and be prepared to answer questions on his or her project. This oral test or interview plus the record book would account for 20 percent of final points.

Fourth day of fair. Carcasses would be evaluated. Show participants would be allowed to tour slaughter facilities and observe carcasses if possible. A score to make-up 30 percent of final score would be used for the carcass placing. The final placing would be determined by adding all scores and then placed according to total points, a maximum of 100 points would be possible. The final winner could then be truly termed "The Grand Champion."

Many of these proposals will seem distasteful to some. Many objections can be raised, but let's all seriously give thought to what the purpose of a livestock project is and if our show policy in the present form fulfills and attains these purposes. Are we providing education or are we caught up in a fast merry-go-round and afraid to jump off?

Be a VETERINARY ASSISTANT or ANIMAL CARE SPECIALIST!

Men, Women! Train at home in spare time. No previous experience needed. Don't quit school or job. Experts train you step-by-step for rewarding career in the wonderful world of animals . . . veterinary assistant, laboratory aide, humane agent, pet shop, kennel, stable, zookeeper, animal hospital. Rush me free "Career Kit" brochure, full information without obligation. No salesman will call.

Careers in Animal Care

Careers by Home Study | North American School of Animal Sciences, Dept. QE095
4500 Campus Dr., Newport Beach, CA 92663 . 261

A ROYAL welcome to the FFA!
AMERICAN ROYAL
Livestock, Horse Show and Rodeo
NOV. 11-22
(Special FFA matinee, Fri., Nov. 14)
American Royal—1701 American Royal Ct.
Kansas City, MO 64102

Handle problems fast with Midland CB

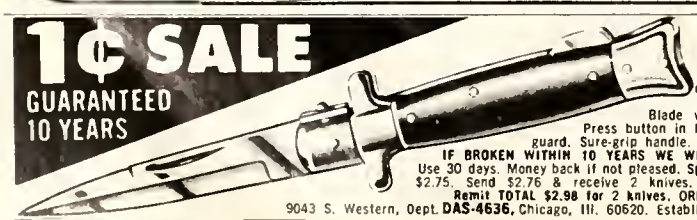
Livestock out on the highway... combine down in the field: Midland CB 2-way radio in your pickup or on your tractor can keep trouble from getting out of hand. Wherever you are, help can be on its way as quick as you can punch the mike on this Midland mobile. You can be sure that your call's getting out because it has legal maximum 4-watt output power. You're getting lots more, too, including just about the quietest receiver we've ever built. The whole rig's built to be as tough as an old Hereford bull, built to take the jouncing a fast run across the fields can give. And it's priced surprisingly low at your Midland CB dealer.

Write for free, colorful Midland CB Brochure: Dept. FF, P.O. Box 19032, Kansas City, MO 64141

MIDLAND INTERNATIONAL
Communications Division

Model 13-882B

1¢ SALE
GUARANTEED 10 YEARS



The knife for hunting, fishing and all around use. Mirror polished, imported stainless steel blade honed to a razor's edge. Rugged. Opens with flick of finger. Locks into position. Blade will not close when in use. Press button in handle to close. Safety finger guard. Sure-grip handle. Balanced for target throwing. IF BROKEN WITHIN 10 YEARS WE WILL REPLACE AT NO CHARGE! Use 30 days. Money back if not pleased. Special 1¢ Sale. REGULAR PRICE $2.75. Send $2.76 & receive 2 knives. Add 22¢ postage, handling. Remit TOTAL $2.98 for 2 knives. ORDER NOW! Midwest Knife Co., 9043 S. Western, Dept. DAS-4636, Chicago, Ill. 60620. Established 1936. Mail Orders only.

"Have you been in there pestering the plumber again?"

Get One
(or four or five)
for Yourself

These Official FFA Bicentennial Calendars will help you proudly display your pride for FFA and America. Get them for your room, office, barn, kitchen, feed room, classroom, grandparents' home.

Poster Style
$1.00 each *Includes shipping*

'76 FFA Bicentennial Poster CALENDAR

I want _____ (quantity) FFA Bicentennial POSTERS at $1 each ..... $_____

Send me _____ (quantity) sets of four FFA Calendars—Home & Office, Poster, Desk, or Wallet.

Reg. $2.50 value. Includes Patriotism message and free shipping. $2 per set .....$_____

Total _____

Name _____

Address _____

City _____ State _____ Zip _____

MAIL ORDER, PLUS CHECK TO: OFFICIAL FFA CALENDAR—Box 15130—ALEXANDRIA, VA. 22309

Cycles are 'BIG BUSINESS'
... and so is Fixing Them!
Be a MOTORCYCLE MECHANIC...
Now's the time to "grab a piece of the action" in America's fast-growing motorcycle industry. Big demand for skilled mechanics. Earn steady pay—or start your own business. We show you how! No need to quit school or job. Learn at home in spare time. RUSH COUPON FOR FREE "CAREER KIT"
SPECIAL CYCLE TOOLS & TEST INTRUMENTS INCLUDED...
Careers by Home Study
NORTH AMERICAN SCHOOL OF MOTORCYCLE REPAIR
4500 Campus Dr., Dept. OE055 Newport Beach, CA 92663
RUSH FREE "CAREER KIT" without obligation.
NAME _____ AGE ___
ADDRESS _____
CITY _____ STATE _____ ZIP _____

AMHF Sponsors The First FFA Horse Proficiency Awards
For FREE literature on Morgans and Morgan Magazine Information Write to:
AMERICAN MORGAN HORSE ASSN.
Box 29-F, Hamilton, NY 13346

RIDE
AMERICAN SADDLEBRED
The best pleasure horse for families or show horse for sport.
FOR FREE BROCHURE OR FILM INFORMATION WRITE:
American Saddle Horse Breeders Assn.
929 South 4th Street Louisville, KY 40203

HOW to BREAK and TRAIN HORSES
SEND FOR THIS FREE!
Know how to break and train horses and ponies—make good money doing it. Write, today for this instructive FREE booklet plus a special offer of a course in Animal Breeding. Tell us if you are interested in Gaiting and Riding the saddle horse.
BEERY SCHOOL OF HORSEMANSHIP
20210 Pleasant Hill, Ohio 45388

FUTURE FARMER CHAPTERS
Make extra money—No Investment.
Sell Legitimate Hit Albums and Tapes.
Make money for expenses going to Conventions — Tours — Projects
Start immediately—write to
Musicanza Corp. 2878 Bayview Ave.
Wantagh, N.Y. 11793 (516-826-2735)

SAVE $'s ON WESTERN BOOTS
National Brands
FIRST QUALITY - FACTORY IRREGULARS
Send TODAY for FREE BROCHURE & PRICE LIST!
(Irregulars from $17.95)
JD RANCH STORE
1408 W Davis • Dept. 33 • Dallas, Texas 75208

FFA competition pulling like that at Bloomfield, Iowa, is a growing event.

From Seeds of American Agriculture Comes

A New Motor Sport

DUST flies, engines roar and spectators cheer. In the arena below, a shiny, hulking machine heaves its might along the track. This is tractor pulling. The straining tractor in this scene seems almost symbolic. A token of an infant sport steadily tugging its way towards recognition as a major national motor event.

Tractor pulling is also gaining a toehold as a successful money maker and community project for FFA. Those supporting these mechanical melees suggest their's is the only national sport germinating directly from the seeds of American agriculture.

A spirit of competition is certainly nothing new. As Mark Twain once said, "Anytime you put two men with two horses together, you have the beginning of a race." Draft horses are the ancestors of American tractors. With the coming of mechanized horsepower, horse pulling branched into tractor pulling.

The first recorded tractor pulls were in 1929 in Vaughnsville, Ohio, and Bowling Green, Missouri. A flat bottom sled filled with stones was used as the pulled weight at the first pulls. This developed into a flat bottom with human weights as men stepped on the moving sled at set intervals.

Today's form of operating a tractor pull is called the speed pull. Operated on a dirt surface, the track is at least 30 feet wide and not less than 200 feet long.

A weight transfer machine is now used in place of human weights. The machine works on a simple principle. A large weight is placed on top of two steel rails riding on a truck axle. As the tractor pulls the machine, the weight is transferred from back to front. The front of the sled rides on a flat pan instead of wheels. As the weight moves forward, it causes more friction between the pan and the track. Thus, the sled gets harder to pull the farther the tractor moves.

As tractor pulling grew, states formed state associations and eventually pullers crossed state lines to pull. But problems occurred with interstate pulls as rules and safety regulations were inconsistent. In 1969 several men met in Indianapolis to create a national organization. The National Tractor Pullers Association was incorporated in 1970 in Upper Sandusky, Ohio, and has standardized tractor pulls all over the country. Related state tractor pulling organizations now operate in some 35 states. The NTPA sanctions over 60 pulls a year with purses totaling well over a half-million dollars.

Current membership stands at around 2,000 professional pullers However, there are probably three or four times as many pullers in the country who pull one or two times a year at county fairs

Professional pulls, like the Indy Superpull feature stock and modified machines such as this one. Drivers compete for trophies, cash and pull point standings.

and local meets. Among those are members of the FFA.

FFA chapters in a handful of different states have found that sponsoring their own local pulls can be rewarding both in a money making sense and for several hours of pure excitement. Chapters in places such as Ohio, South Dakota, Georgia, Minnesota and Iowa have all cashed in.

FFA Advisor Don Nicholson, from Norman Park, Georgia, says his chapter has gone full throttle into the event. "We've held three events this year. The last one was the first state sanctioned meet in Georgia. Over 2,000 people watched both days of the two day event. And about 80 FFA'ers either drove their tractors or helped set up and run the contest." Nicholson says the last event grossed over $4,000 which was funnelled back into bleachers for seating up to 2,000 people.

In Minnesota the Forest Lake Chapter recently held the first state sanctioned FFA meet in that state, cooperating with the Minnesota Tractor Pullers Association. "That first event drew an audience of over 3,000," says Advisor Loyal Hyatt.

Many chapters try to keep their events purely amateur. DeWitt S. Shelton, an advisor in Bloomfield, Iowa, says, "We hold our contest as a fun thing for the members at our county fair. We give trophies as prizes—no money. The FFA Alumni helps run the contest which can serve as a learning experience for the young members. They learn how tractors respond under stress. They also learn the importance of safety while driving a tractor."

Menno, South Dakota, has held a pull for seven years. Although the town has only 450 people the pull attracts pullers from four states. "It's a valuable public relations effort," says Advisor Roger Wehde.

To involve those members without access to a large tractor a contest featuring riding lawn mowers is offered by some chapters. Four wheel drive pick-up pulls are another alternate contest.

The bulk of pullers are farmers who travel the circuit as a hobby between and during farmwork. According to NTPA estimates these farmers represent over one million acres and 6,000 farm tractors. Pullers also include teachers, businessmen, and skilled labormen.

The tractors that churn down the dusty tracks toward glory and prizes are classified either stock or modified. Each of these is divided into one of eight weight classes. Stock tractors run with the original manufactured engine. Modified tractors or "hot rods" are often wild creations, engineered and built by the puller himself. These creations feature such combinations as blown chevys, multiple engines, tank engines, and twelve-cylinder aircraft engines.

Professional pullers compete with these tractors in a variety of pulls throughout the year, accumulating points for end-of-the-circuit honors. Top point winners earn the right to compete at the Indy Super Pull, an invitational pull held annually in Indianapolis. (FFA members often serve as ushers for the event.)

Point winners work hard to achieve their standing. Proper mechanics, an attractive paint job, and good sportsmanship are essential to being a good puller. There is much work and preparation for the puller before he ever reaches the crowd at the track. Power and strength are necessities. Through turbos, fuel, cooling systems, and a lot of ingenuity a puller creates more power and has a better chance to win.

What about the future? According to Art Arfons, the three times holder of the land speed record and former drag racer. "tractor pulling is really going to grow and take over for drag racing. It takes more skill than drag racing." Arfons and several thousand other new "pullers"—FFA'ers included—are even now demonstrating their belief in the sport for the American farmers.

Menno, South Dakota, FFA officers check over tractors before their pull begins.

Scene from the Norman Park, Georgia, FFA tractor pull. The event was the first state sanctioned pull in Georgia and attracted over 2,000 spectators.

RAISE FUNDS
and help your organization celebrate America's Bicentennial!
No Risk/No Investment! Make $1.00 PROFIT on every pendant!
Please Send ☐ FREE Catalog
Name: .....
Address: .....
City: ..... State: .....
Zip: ..... Organization: .....
COLLINGWOOD FUND RAISING
FF105 44 WARREN ST. PROV., R.I. 02901

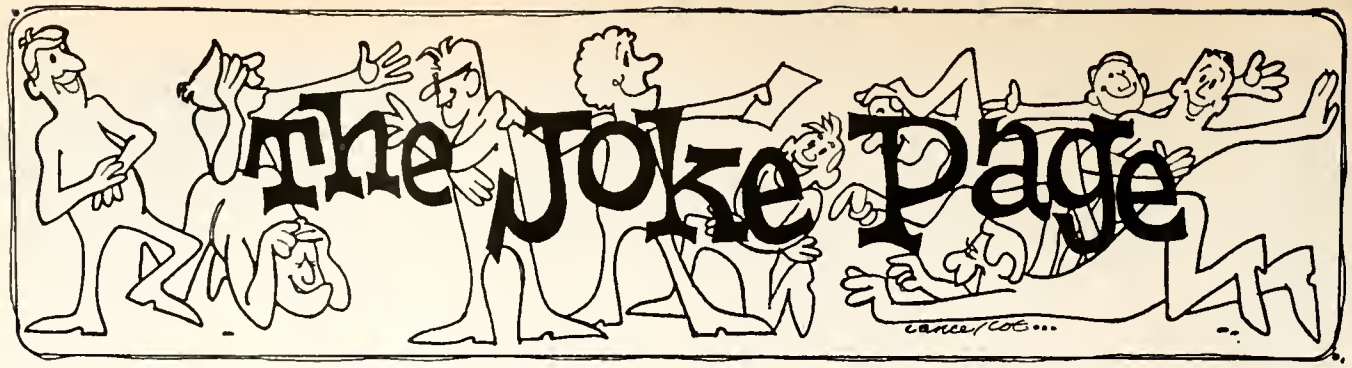
LEARN MORE ABOUT THE WORLDS MOST PROFITABLE BEEF BREED!
Write for free information and your copy of GUIDE FOR FUTURE CATTLEMEN.
The American Shorthorn Assn.
8288 Hascall St., Omaha, Neb. 68124

CHEVIOTS have what it takes:
• To survive lambing hazards;
• To develop desirable carcass weights on milk and grass alone;
• To impart these qualities to less fortunate breeds through crossing.
American Cheviot Sheep Society
Dept. of Agriculture
Missouri Western State College
St. Joseph, MO 64507

HAMPSHIRES...
For Uniformity, Docility, Quality and a money making breed use Hampshires in your farming program! Write for information.
The American Hampshire Sheep Assn.
Rt. 10, Box 199 Columbia, Mo. 65201

Count on Suffolks year after year . . . the preference of America's successful sheep raisers.
NATIONAL SUFFOLK SHEEP ASSOCIATION
BOX 324 F, COLUMBIA, MO. 65201

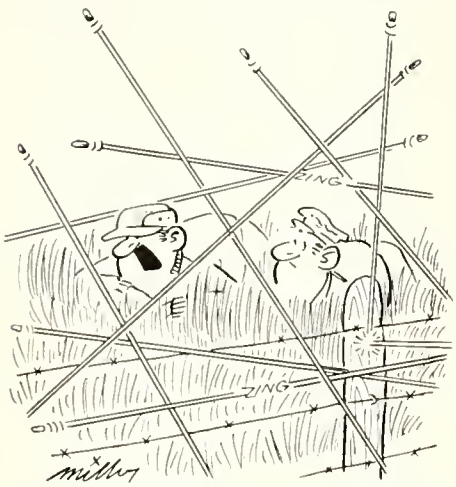
extra income SELL showing this FREE SAMPLE
ENGRAVED METAL SOCIAL SECURITY PLATES including Carrying Case, ID Card and 10-Yr. Calendar for only $2. You keep $1 per sale. Make $10 OR MORE per hour.
NO INVESTMENT
SEND COUPON FOR FREE ORDER-TAKING OUTFIT TODAY!
ENGRAVAPLATES, DEPT. 198
BOX 10460 • JACKSONVILLE, FLA. 32207
Please rush FREE order-taking outfit with actual sample. No obligation.
Name _____
Address _____
City _____
State _____ Zip _____



The farmer's son was home from college and told his father that scientists had been able to get a milk-like substance from peanuts.

"*Well,*" replied his pa, "*all I kin say is . . . they must use a mighty low stool!*"

David Villanueva
La Sierra, California



"*This is the part I dislike most about farming—opening day of deer season.*"

Mess Sergeant: "*I don't know why you guys gripe about this bread. The boys at Valley Forge would have loved to have had it.*"

Private: "*Sure they would, it was fresh then.*"

Brian Erickson
Detroit Lakes, Minnesota

Lady: "*Those sausages you sold me were meat at one end and corn meal at the other!*"

Butcher: "*Yes, ma'am, in these hard times it's hard to make both ends meat!*"

Paul J. Gabriel, Jr.
Alfred Station, New York

Mother: "*Junior, why don't you take your little sister with you when you go fishing today?*"

"*No,*" said Junior firmly, "*the last time she tagged along I didn't catch a fish.*"

"*I'm sure she'll be quiet this time,*" said Mother.

"*It wasn't the noise,*" Junior explained. "*She ate the bait.*"

J. L. Pike, Jr.
Eva, Alabama

When I was a rookie cop doing a late tour (12-8) I noticed a fellow tinkering with his car about 2 a.m. I went over to see if I could help. He explained the car would not start because the battery was run down. I held my flashlight so he could see to disconnect it. When he hauled the battery away after thanking me considerately, I continued on my rounds.

Around daylight, I found myself in the same area again and there was the same car with the hood up. This time bent over the car was a strange man muttering, "*Some dirty so and so swiped my new battery.*"

Doug Arnold
Elizabeth, Louisiana

The police sent out pictures of an escaped convict in six different poses. A few days later came a telegram from a small town sheriff, "*Have captured five of them and am on trail of the sixth.*"

Tony Hargrove
Albany, Georgia

Weatherman to radio announcer: "*Better break it to them gently, just say partly cloudy with scattered showers followed by a hurricane.*"

Thomas LaMance
Modesto, California

Teenage girl to saleslady: "*I'm really crazy about this dress, but if my mother likes it can I bring it back?*"

Mary Copper
Mount Vernon, Washington

Sign over drinking fountain: "Old Faceful."

Jim Beebe
Springfield Center, New York

Clerk: "*Why do you keep goldfish on your desk?*"

Boss: "*Because it is a great feeling to have something opening it's mouth without asking for a raise.*"

Debbie Rape
Waxhaw, North Carolina

A burly bum came hiking up the road to a farmer's house gate. He stopped and asked for a handout.

"*Open the gate and come right into the yard,*" said the farmer's wife.

The bum gazed pensively at the watchdog that stood in the yard, while the watchdog watched the bum. "*Er, what about your dog, ma'am? Will he bite?*"

"*I don't know. I only got him this morning and that's what I'm trying to find out.*"

Lynne Stoltenberg
Spring Valley, Minnesota

Charlie, the Greenhand

". . . *remember the time the bag of fertilizer busted open?*"

The National FUTURE FARMER *will pay $2.00 for each joke selected for publication on this page. Jokes must be submitted on post cards addressed to* The National FUTURE FARMER, *Alexandria, Virginia 22309. In case of duplication, payment will be for the first one received. Contributions cannot be acknowledged or returned.*

"Tony Lama boots, I took pride wearing them then and still do today..."

Rex Allen

A. STOCK 6284 — Coffee Lance Foot and Top, 13" Full Scallop, 100 toe medallion. *Style 282-J-4.*

B. STOCK 8025 — Peanut Brittle Lizard Foot, 13" Full Scallop, Inca Kittytan Top. *Style 565-R-3.*

Tony Lama CO., INC.

P. O. DRAWER 9518 / EL PASO, TEXAS 79985

Me—the farmer

I'm glad I'm a farmer.

Sometimes I'm angry about being a farmer. And disappointed. Elated. Puzzled. Worried. And, I suppose, every emotion in the book.

But I'm glad I'm a farmer.

Because I know what I am. And what I feel.

I feel I'm akin to my land and the things that grow on my land....

And the sky over my land and the water that falls on it and flows through it....

And the livestock that sustains itself upon my land....

And the buildings that shelter me and my wife and our children and the machines that help to make my land fruitful.

These are a bone-deep part of me.

As is sweat. Cloudburst. Drought. Repairs. Disease. Heartache. Market losses. And profits. Sowing. Reaping. And a hundred and one setbacks and successes, large and small, that other men may never know. But that I know. And am content with.

Not because farming is easy. It isn't. Or because a farmer enjoys fame. He doesn't. Or because a farmer like me is a wealthy man. I am not.

It's simply because I know what I am. And I know what I feel.

I wouldn't have me any other way.

Me—the farmer.

SPERRY NEW HOLLAND

Keeping Faith with the Farmer... A Bicentennial Tribute

© 1975 Sperry New Holland, a division of Sperry Rand Corporation.
For a FREE reproduction, suitable for framing, write Dept. 215-H,
Sperry New Holland, New Holland, Pennsylvania 17557